ANDREW®
an Amphenol company

RF CONDITIONING SOLUTIONS

PRODUCT SELECTION GUIDE

JANUARY 2026
EMEA AND APAC REGIONS

RF CONDITIONING FOR ANY COMMUNICATION NETWORK

In today's crowded RF environments, maintaining signal integrity and preventing interference is mission-critical. Whether enabling next-generation mobile networks or safeguarding defense and critical communication systems, RF conditioning solutions are an essential element of reliable, high-performance connectivity.

With over 50 years of expertise, ANDREW delivers **customizable**, **reliable**, and **sustainable** RF conditioning solutions engineered for the most demanding conditions.

THE ANDREW ADVANTAGE

Design Innovation & Simplification
Miniaturized, integrated solutions with remote configuration for easier installs and maintenance.

Fast, Flexible Customization
Tailored designs delivered quickly by three global design teams—even in small quantities.

Reliability You Can Trust
Rigorous real-world stress testing ensures consistent performance under extreme conditions.

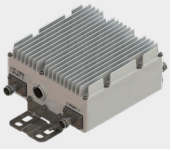
Sustainability at the Core
Eco-conscious materials, sustainable processes, and extended lifecycles for minimal environmental impact.

OUR COMPREHENSIVE PORTFOLIO FOR MOBILE NETWORKS.
CUSTOMIZABLE. RELIABLE. SUSTAINABLE.

Multiband Tower-Mounted Amplifiers
Boost coverage and capacity to maximize site footprint and improve uplink performance.

Interference Mitigation Filters
Eliminate unwanted signals to protect network capacity and ensure performance.

Field-Proven Multiband Combiners
Simplify MIMO configurations—saving space, time, and cost.



Low-Loss Combiners
Enhance spectral efficiency by minimizing guard bands when introducing new technologies.

Ultra-Compact Designs
Modernize sites with minimal tower loading—without compromising performance.

Watch the RF conditioning video

Explore our portfolio and discover how we help you stay connected, protected, and prepared for what's next.

ANTENNA LINE PRODUCTS

Multiband Combiners	Diplexers	
	Triplexers	
	Quadplexers	
	Pentaplexers	
Same band Combiners	Hybrid Combiners	
	Low-loss Combiners	
Tower Mounted Amplifiers (TMAs)	Single band TMAs	
	Dual band TMAs	
	Tri band TMAs	
	Quad band TMAs	
	Pentaband TMAs	
Innovative Filter Solutions	Multiband combiners for 4T4R MIMO deployments	
	Multiband combiners for 5G	
	Ultra compact multiband combiners for space-limited applications	
	Multiband combiners for 1400 MHz	
	Multiband combiners for indoor DAS	

TABLE OF CONTENTS

Diplexers **9**
0-490/694-3800 MHz 10
617-698/703-960 MHz 10
694-862/880-960 MHz 10
1350-1525/1710-2690 MHz 10
1350-1880/1920-2690 MHz 11
1350-2200/2300-2700 MHz 11
612-2700/2300 MHz 11
380-960/1425-2690 MHz 12
380-2200/2300-2690 MHz 12
07/08-09 MHz 12
Ultra Compact Multiband Combiners **13**
Triplexers **15**
698-960/1710-2170/2300-2690 MHz 16
380-960/1350-2200/2300-2690 MHz 16
380-960/1695-2200/2300-2700 MHz 16
694-862/880-960/1710-2690 MHz 17
703-862/880-960/1350-2700 MHz 17
1350-1880/1920-2170/2300-2690 MHz 18
1350-1525/1710-1880/1920-2690 MHz 18
1695-2200/2300-2400/2500-2690 MHz 18
380-960/1350-1880/1920-2690 MHz 19
700/800/900 MHz 19
612-960/1695-2700/3300-4200 MHz 19
Ultra Compact Multiband Combiners **20**
Quadplexers **22**
698-960/1710-1880/1920-2170/2300-2690 MHz 23
694-862/880-960/1710-1880/1920-2690 MHz 23
1710-1880/1920-2170/2300-2400/2500-2690 MHz 24
698-862/880-960/1710-2170/2300-2700 MHz 24
Ultra Compact Multiband Combiners **25**
Pentaplexers **26**
Sameband Combiners **28**
698-2700 MHz 29
3300-5925 MHz 29
Tower Mounted Amplifiers (TMAs) **30**
Single Band TMA **32**
700 MHz 33
800 MHz 33
900 MHz 34
1800 MHz 34
2100 MHz 34
2600 MHz 34
Dual Band TMA **35**
700/800 MHz 37
700/900 MHz 37
800/900 MHz 38
1800/2100 MHz 39
1800/2600 MHz 39
2100/2600 MHz 40
Tri Band TMA **41**
700/800/900 MHz 43
1800/2100/2600 MHz 44

WHAT'S NEW?

Take a look below for the latest updates to our product line catalog.

NEW PRODUCTS

MULTIBAND COMBINERS & ULTRA COMPACT COMBINERS:

· E14F11P26, Single Combiner, 555-2690/3300-5925/3300-4200 MHz

· E14F15P56, Twin Quadplexer, 698-960/18/21/23-26, DC smart bypass

· E14F06P35, Single Diplexer, 1350–1880/1920–2690 MHz, DC all bypass

· E14F05P58, Twin Diplexer, 380–960/1425–2690 MHz, DC all bypass

· E14F60P23, Twin Triplexer, 703-862/880-960/1350-2700, DC all bypass

· E14F11P37, Twin Triplexer, 14-18/21/23-26 DCauto

· E14F10P92, Quad Triplexer ,18-21/23/26 DCALL

· E14F10P81, Ultra Compact Single Triplexer, 380-960/1350-1880/1920-2690, DC all bypass

DISCONTINUATIONS

These products are discontinued as of March 31, 2025.

Replacement models are listed below, where available. If you need assistance in selecting the most appropriate alternative model or have any questions regarding this discontinuation, please contact your ANDREW account manager.

Discontinued P/N	Description	Replacement P/N	Description
E14F05P87	Diplexer, 380–2200 MHz/2300–2690 MHz, DCauto, with 4.3-10 connectors	E14F05P20	Single Diplexer,380–2200/2300–2690 MHz, DC all bypass
E11F01P56	Triplexer 703-803//825-880//898.4-960 MHZ, DC bypass on all ports		
E11F05P55	Triplexer 900/1800/2300 MHz, DC bypass on all ports	E12F01P93	Single Triplexer 700-900/1700-2100/2300-2700, DC bypass on all ports
E12F03P44	Twin Diplexer, 2S-DPX D2-800/900 DC Bypass All ports, 4.3-10 connectors	E14F06P20	Twin Diplexer,700–800/900 MHz,DC all bypass
E12F03P59	2X Triplexer 1710-1880/1920-2170/2300-2690, DC bypass on all ports with 4.3-10 connectors	E12F01P81	Twin Triplexer,1800/2100/2300–2600 MHz, DC all bypass
E12F13P26	Twin Diplexer, 698–803/824-960MHz, DC Pass on all ports, 4.3-10		
E12F13P35-V	Twin Diplexer, 700/900 MHz, RJ40, DC block on all ports with connectors 4.3-10		
E12F13P50	2x Diplexer 824-880/890-960 MHz, DC Pass on all ports, 4.3-10		
E12V90P43	Twin Quadplexer 1800//2100//2300/2600 MHz, No DC bypass, with 4.3-10 connectors	E16V90P56	Twin Quadplexer 1800//2100//2300//2600 MHz, All ports DC bypass, with 4.3-10 connectors
E14F05P1690	Twin Diplexer, 1695-2200/2300-2700 MHz, DC Stop		
E14F05P1691	Twin Diplexer, 1695-2200/2300-2700 MHz, DC Stop		
E14F05P17	Twin Diplexer, DCS 1800/UMTS 2100, AISG compatible, DC pass all ports, with 4.3-10 connectors	E14F06P38	Twin Diplexer, 1325-1880/1920-2690, DC/AISG pass-through on all ports, with 4.3-10 connectors
E14F05P61	Twin 2-pak Diplexer, 1350–1525 MHz/1710–2690 MHz, DC bypass Low ports, with 4.3-10 connectors	E14F05P65	Twin 2-pak Diplexer, 1350–1525 MHz/1710–2690 MHz, DC bypass all ports, with 4.3-10 connectors
E14F05P63	Twin 2-pak Diplexer, 1350–1525 MHz/1710–2690 MHz, DC bypass High ports, with 4.3-10 connectors	E14F05P65	Twin 2-pak Diplexer, 1350–1525 MHz/1710–2690 MHz, DC bypass all ports, with 4.3-10 connectors
E14F05P69	Twin Diplexer, 380–2200 MHz/2300–2690 MHz, DC pass low paired with high, with 4.3-10 connectors	E14F05P21	Twin Diplexer, 380–2200 MHz/2300–2690 MHz, DC Pass,4.3-10
E14F05P77	Twin Diplexer 700/800 DC Bypass at 800MHz port, 4.3-10 connectors	E14F07P08	Twin Diplexer, 703-788/791-960 MHz, DC Pass on All port, 4.3-10 connectors
E14R00P05	Twin Tower Mounted Amplifier, Dual 2.6 GHz with AISG, with 4.3-10 connectors, rejection in 2700-3100MHz		
E14R00P43	Dual band Tower Mounted Amplifier, 700//800 MHz, 12 dB, 2 BTS & 2 ANT ports, AISG with 2 RET connectors (1 device with 2 sub-units), with 4.3-10 connectors	E14R00P41	Dual band Tower Mounted Amplifier, 700/800 MHz, 12 dB, 2 BTS & 2 ANT ports, AISG with 1 RET connector (1 device with 2 sub-units), with 4.3-10 connectors
E14R00P44	Tower Mounted Amplifier 1800 with 1400 MHz bypass, AISG 2.0, with 4.3-10 connectors		
E14R02P27	Tower Mounted Amplifier, Dual 700 MHz with AISG 2.0		
E15V86P18	Twin Interference Mitigation Filter 814-879 MHz with 40 dB rejection in 880.1-915 MHz		
E15V86P1890	Twin Interference Mitigation Filter 814-879 MHz with 40 dB rejection in 880.1-915 MHz		
E15V86P1892	Twin Interference Mitigation Filter 814-879 MHz with 40 dB rejection in 880.1-915 MHz		
E15V86P3902	CS-IMF 894-960 RJ869-892 35dB		
E15V86P40	Interference Mitigation Filter 896-960 with rejection in 824-894		

DISCONTINUATIONS

These products are discontinued as of March 31, 2025.

Replacement models are listed below, where available. If you need assistance in selecting the most appropriate alternative model or have any questions regarding this discontinuation, please contact your ANDREW account manager.

Discontinued P/N	Description	Replacement P/N	Description
E15V87P64	CS-IMF 2575-2615 RJ 26 38dB DC		TWIN-IMF 2600 MHz, B38 Rejects 2500-2570&2620-2690, 38dB
E15V88P10	Twin IMF 850 MHz		
E15V88P11	Twin 2100 MHz IMF w 1900 Rejection		
E15V90P24	SpectrumShare Passive Filter for UMTS 2100		
E15Z50P06	SpectrumShare Passive Combiner GSM 900		
E15V90P24	SpectrumShare Passive Filter for UMTS 2100		
E15Z50P06	SpectrumShare Passive Combiner GSM 900		

MULTIBAND COMBINERS

ANDREW multiband combiners (MBCs) make it easier for operators to expand their networks and roll out new technologies. Combining multiple frequency bands onto a common RF path, they enable antenna and feeder sharing so operators can leverage the cost efficiencies of co-siting opportunities.

Our portfolio of diplexers, triplexers, quadplexers and even pentaplexers helps you simplify site architectures to enable greater capacity for any application. Available in a variety of configurations, they support a wide range of wireless technologies and bands: GSM, CDMA, UMTS, LTE and 5G.

- Compact and ultra-compact designs enable deployment in tight spaces
- Integrated DC block/DC bypass versions enable application-specific performance
- Smart bypass and auto-sensing enable intelligent DC/AISG switching
- Load-sensing detects antenna ports with a load and passes DC/AISG to those ports only
- Ultra-wide band MBCs combine multiple low, mid, and high bands into one unit

All MBCs are designed, manufactured and tested to deliver high performance and meet industry standards. More than simplifying network modernization, ANDREW MBCs improve and extend the value of your entire RF path.

DIPLEXERS

Product Summary

P/N	Frequency (MHz)		Connector Type (Female)	Modularity	DC/AISG Bypass	Note
E14F55P27	0-490	694-3800	4.3-10	Single	DC low bypass	Standard
E14F06P45	694-862	880-960	4.3-10	Twin	Smart DC bypass	Standard
E14F06P72	1350-2200	2300-2700	4.3-10	Quad	DC low bypass	Standard
E14F06P51	617-698	703-960	4.3-10	Quad	All ports DC bypass	Standard
E11F02P72	694-862	880-960	7/16	Twin	All ports DC bypass	Standard
E12F05P96	1710-1880	1920-2170	4.3-10	Single	All ports DC bypass	Standard
E14F05P65	1350-1525	1710-2690	4.3-10	Twin	All ports DC bypass	Standard
E14F05P66	1350-1525	1710-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F05P57	380-960	1425-2690	4.3-10	Single	All ports DC bypass	Standard
E14F05P58	380-960	1425-2690	4.3-10	Twin	All ports DC bypass	Standard
E14F05P59	380-960	1425-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F05P20	380-2200	2300-2690	4.3-10	Single	All ports DC bypass	Standard
E14F05P21	380-2200	2300-2690	4.3-10	Twin	All ports DC bypass	Standard
E14F05P26	380-2200	2300-2690	4.3-10	Twin	Smart DC bypass	Standard
E12F03P88	1710-1880	1920-2690	4.3-10	Twin	All ports DC block	Ultra Compact
E14F06P38	1350-1880	1920-2690	4.3-10	Twin	All ports DC bypass	Standard
E14F06P48	1350-2200	2300-2700	4.3-10	Twin	All ports DC bypass	Standard
E14F06P61	1350-2200	2300-2700	4.3-10	Twin	Smart DC bypass	Standard
E14F55P08	380-960	1695-2690	4.3-10	Twin	Low ports DC bypass	Ultra Compact
E14F55P09	1695-2200	2300-2690	4.3-10	Twin	All ports DC block	Ultra Compact
E14F55P17	1695-2200	2300-2690	4.3-10	Quad	All ports DC block	Ultra Compact
E14F55P16	1695-2200	2500-2690	4.3-10	Twin	All ports DC block	Ultra Compact
E14F55P19	1695-2200	2500-2690	4.3-10	Quad	All ports DC block	Ultra Compact
E14F05P89	694-842	880-960	4.3-10	Twin	All ports DC block	Ultra Compact
E12F03P46	2300-2400	2496-2690	4.3-10	Twin	All ports DC block	Ultra Compact
E12F03P47	2300-2400	2496-2690	4.3-10	Quad	All ports DC block	Ultra Compact
E14F06P71	1710-1880	1920-2690	4.3-10	Quad	All ports DC block	Ultra Compact
E14F06P06	80-2690	3300-5925	4.3-10	Single	Low ports DC bypass	Ultra Compact
E14F06P07	80-2690	3300-5925	4.3-10	Twin	Low ports DC bypass	Ultra Compact
E14F06P08	80-2690	3300-5925	4.3-10	Quad	Low ports DC bypass	Ultra Compact
E14F06P00	80-2690	3300-5925	4.3-10	Octa	Low ports DC bypass	Ultra Compact
E14F06P80	3300-3670	3700-3980	4.3-10	Quad	DC high bypass	Ultra Compact
E14F06P41YY	1325-1880	1920-2690	4.3-10	Twin	DC/AISG Smart bypass	

MULTIBAND COMBINERS

Diplexers

617–698/703–960 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Quad	E14F06P51	Quad Diplexer, 617–698/703–960, DC all bypass	•	•	4.3–10 female	

694–862/880–960 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Single	E14F06P83	Single Diplexer, 700–800/900 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F06P45	Twin Diplexer, 700–800/900 MHz, DC smart bypass	DC smart bypass		4.3–10 female	
	E14F06P20	Twin Diplexer, 700–800/900 MHz, DC all bypass	•	•	4.3–10 female	

1350–1525/1710–2690 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Single	E14F05P64	Single Diplexer, 1350–1525/1710–2690 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F05P65	Twin Diplexer, 1350–1525/1710–2690 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F05P66	Twin Diplexer, 1350–1525/1710–2690 MHz, DC smart bypass	DC smart bypass		4.3–10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

MULTIBAND COMBINERS

Diplexers

1350–1880/1920–2690 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Single	E14F06P35	Single Diplexer, 1350–1880/1920–2690 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F06P38	Twin Diplexer, 1350–1880/1920–2690 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F06P41	Twin Diplexer, 1350–1880/1920–2690 MHz, DC auto	DC smart bypass		4.3–10 female	

1350–2200/2300–2700 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Single	E14F06P58	Single Diplexer, 1400–1800–2100/2300–2600 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F06P48	Twin Diplexer, 1400–1800–2100/2300–2600 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F06P61	Twin Diplexer, 1400–1800–2100/2300–2600 MHz, DC smart bypass	DC smart bypass		4.3–10 female	

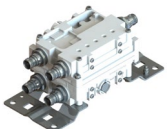
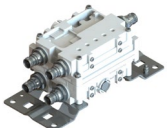
612–2700/2300 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Quad	E14F06P99	Quad Diplexer, 612–2700/23, DC/AISG bypass on all ports	•	•	4.3–10 female	

MULTIBAND COMBINERS

Diplexers

380–960/1425–2690 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Single	E14F05P57	Single Diplexer, 380–960/1425–2690 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F05P58	Twin Diplexer, 380–960/1425–2690 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F05P59	Twin Diplexer, 380–960/1425–2690 MHz, DC smart bypass	DC smart bypass		4.3–10 female	

380–2200/2300–2690 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Single	E14F05P20	Single Diplexer, 380–2200/2300–2690 MHz, DC all bypass	•	•	4.3–10 female	
Twin	E14F05P21	Twin Diplexer, 380–2200/2300–2690 MHz, DC all bypass	•	•	4.3–10 female	
	E14F05P26	Twin Diplexer, 380–2200/2300–2690 MHz, DC smart bypass	DC smart bypass		4.3–10 female	

07/08–09 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Twin	E14F07P08	Twin Diplexer, 07/08–09, DC/AISG bypass on all port	•	•	4.3–10 female	
Twin	E14F06P79	Twin Diplexer, 07/08–09, DC/AISG smart bypass	DC smart bypass		4.3–10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

ULTRA COMPACT MULTIBAND COMBINERS

Diplexers

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Twin	E14F55P08	Ultra Compact Twin Diplexer, 380–960/1695–2690 MHz, DC low bypass	•		4.3–10 female	
Twin	E14F55P09	Ultra Compact Twin Diplexer, 1695–2200/2300–2690 MHz, DC block			4.3–10 female	
Quad	E14F55P17	Ultra Compact Quad Diplexer, 1695–2200/2300–2690 MHz, DC block			4.3–10 female	
Twin	E14F55P16	Ultra Compact Twin Diplexer, 1695–2200/2500–2690 MHz, DC block			4.3–10 female	
Quad	E14F55P19	Ultra Compact Quad Diplexer, 1695–2200/2500–2690 MHz, DC block			4.3–10 female	
Twin	E14F05P89	Ultra Compact Twin Diplexer, 700–800/900 MHz, DC block			4.3–10 female	
Twin	E12F03P46	Ultra Compact Twin Diplexer, 2300/2600 MHz, DC block			4.3–10 female	

ULTRA COMPACT MULTIBAND COMBINERS

Diplexers

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Quad	E12F03P47	Ultra Compact Quad Diplexer, 2300/2600 MHz, DC block			4.3–10 female	
Single	E14F06P06	Ultra Compact Single Diplexer, 80–2690/3300–5925 MHz, DC low bypass	•		4.3–10 female	
Twin	E14F06P07	Ultra Compact Twin Diplexer, 80–2690MHz/3300–5925MHz, DC low bypass	•		4.3–10 female	
Quad	E14F06P08	Ultra Compact Quad Diplexer, 80–2690MHz/3300–5925MHz, DC low bypass	•		4.3–10 female	
Octa	E14F06P00	Ultra Compact Octa Diplexer, 80–2690/3300–5925 MHz	•		4.3–10 female	
Twin	E12F03P88	Ultra Compact Twin Diplexer, 1710–1880/1920–2690 MHz, DC block			4.3–10 female	
Quad	E14F06P80	Ultra Compact Quad Diplexer, 3300–3670/3700–3980 MHz, DC high bypass		•	4.3–10 female	
Quad	E14F06P71	Ultra Compact Quad Diplexer, 1800/2100–2600 MHz, DC block all ports			4.3–10 female	
Quad	E14F06P72	Ultra Compact Quad Diplexer, 1350–2200/2300–2700 MHz, DC low bypass	•		4.3–10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

TRIPLEXERS

Product Summary

P/N	Frequency (MHz)			Connector Type (Female)	Modularity	DC/AISG Bypass	Note
E12F01P93	698-960	1710-2170	2300-2600	4.3-10	Single	All ports DC bypass	Standard
E14F10P51	617-960	1695-2200	2300-2700	4.3-10	Single	Smart DC bypass	Standard
E14F10P52	617-960	1695-2200	2300-2700	4.3-10	Twin	Smart DC bypass	Standard
E14F10P97	380-960	1350-2200	2300-2700	4.3-10	Twin	All ports DC bypass	Standard
E14F11P05	380-960	1350-2200	2300-2700	4.3-10	Twin	Smart DC bypass	Standard
E14F10P07	694-862	880-960	1710-2690	4.3-10	Single	All ports DC bypass	Standard
E14F10P08	694-862	880-960	1710-2690	4.3-10	Twin	All ports DC bypass	Standard
E14F10P10	694-862	880-960	1710-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F60P19	703-862	880-960	1350-2700	4.3-10	Twin	Smart DC bypass	Standard
E12F01P80	1710-1880	1920-2170	2300-2690	4.3-10	Single	All ports DC bypass	Standard
E12F01P81	1710-1880	1920-2170	2300-2690	4.3-10	Twin	All ports DC bypass	Standard
E14F10P29	1350-1525	1710-1880	1920-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F11P11	703-788	811-862	890-950	4.3-10	Twin	Smart DC bypass	Standard
E14F11P17	703-788	801-852	890-951	4.3-10	Twin	DC block	Standard
E14F10P32	1695-2200	2300-2400	2500-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F10P33	1695-2200	2300-2400	2500-2690	4.3-10	Quad	Smart DC bypass	Standard
E14F10P81	380-960	1350-1880	1920-2690	4.3-10	Ultra Compact Single	All ports DC bypass	Standard
E14F10P85	380-960	1350-1880	1920-2690	4.3-10	Twin	All ports DC bypass	Standard
E14F10P89	380-960	1350-1880	1920-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F10P54	1710-1880	1920-2170	2300-2700	4.3-10	Single	All ports DC block	Ultra Compact
E14F10P46	1710-1880	1920-2170	2300-2700	4.3-10	Twin	All ports DC block	Ultra Compact
E14F10P60	1710-1880	1920-2170	2300-2700	4.3-10	Quad	All ports DC block	Ultra Compact
E14F60P01	1695-2690	3400-3800	5150-5925	4.3-10	Twin	Low ports DC bypass	Ultra Compact
E14F60P02	1695-2690	3400-3800	5150-5925	4.3-10	Quad	Low ports DC bypass	Ultra Compact
E14F10P63	617-960	1695-2700	3400-4200	4.3-10	Twin	All ports DC block	Ultra Compact
E14F10P64	617-960	1695-2700	3400-4200	4.3-10	Twin	All ports DC block	Ultra Compact
E14F10P78	380-960	1350-1880	1920-2690	4.3-10	Single	Low ports DC bypass	Ultra Compact
E14F10P79	380-960	1350-1880	1920-2690	4.3-10	Twin	Low ports DC bypass	Ultra Compact
E14F10P80	380-960	1350-1880	1920-2690	4.3-10	Quad	Low ports DC bypass	Ultra Compact
E14F10P68	380-2200	2300-2700	3300-4200	4.3-10	Twin	All ports DC block	Ultra Compact
E14F10P94	380-2200	2300-2700	3300-4200	4.3-10	Single	Low ports DC bypass	Ultra Compact
E14F10P95	380-960	1350-1880	1920-3800	4.3-10	Single	Low ports DC bypass	Ultra Compact
E12F03P90	1800	2100	2300-3600	4.3-10	Twin	DC block	Ultra Compact
E14F07P01	1800	2100	2300-3600	4.3-10	Quad	DC block	Ultra Compact

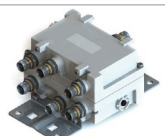
MULTIBAND COMBINERS

Triplexers

698–960/1710–2170/2300–2690 MHz

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Single	E12F01P93	Single Triplexer. 7-9/17-21/23-27 DC bypass all	•	•	•	4.3–10 female	

380–960/1350–2200/2300–2690 MHz

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Twin	E14F11P05	Twin Triplexer, 380-960/1350-2200/2300-2690 MHz, DC smart bypass	DC smart bypass			4.3–10 female	
Twin	E14F10P97	Twin Triplexer, 380-960/1400-1800-2100/2300-2600 MHz, DC all bypass	•	•	•	4.3–10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

MULTIBAND COMBINERS

Triplexers

694–862/880–960/1710–2690 MHz

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Single	E14F10P07	Single Triplexer, 700–800/900/1800–2100–2300–2600 MHz, DC all bypass	•	•	•	4.3–10 female	
Twin	E14F10P08	Twin Triplexer, 700–800/900/1800–2100–2300–2600 MHz, DC all bypass	•	•	•	4.3–10 female	
	E14F10P10	Twin Triplexer, 700–800/900/1800–2100–2300–2600 MHz, DC smart bypass	DC smart bypass			4.3–10 female	

703–862/880–960/1350–2700 MHz

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Twin	E14F60P19	Twin Triplexer, 703-862/880-960/1350-2700 MHz DC smart bypass	DC smart bypass			4.3-10 female	
Twin	E14F60P23	Twin Triplexer, 703-862/880-960/1350-2700 MHz DC all bypass	•	•	•	4.3-10 female	

MULTIBAND COMBINERS

Triplexers

1350–1880/1920–2170/2300–2690 MHz

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Single	E12F01P80	Single Triplexer, 14-18/2100/2300-2600 MHz, DC all bypass	•	•	•	4.3-10 female	
Twin	E12F01P81	Twin Triplexer, 14-18/2100/2300-2600 MHz, DC all bypass	•	•	•	4.3-10 female	
	E14F11P37	Twin Triplexer, 14-18/2100/2300-2600 MHz, DC Smart Bypass	DC Smart Bypass			4.3-10 female	

1350–1525/1710–1880/1920–2690 MHz

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Twin	E14F10P29	Twin Triplexer, 1350-1525/1800/2100-2300- 2600 MHz, DC smart bypass	DC smart bypass			4.3-10 female	

1695–2200/2300–2400/2500–2690 MHz

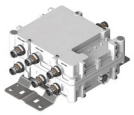
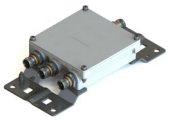
Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Twin	E14F10P32	Twin Triplexer, 1800-2100/2300/2600 MHz, DC smart bypass	DC smart bypass			4.3-10 female	
Quad	E14F10P33	Quad Triplexer, 1800-2100/2300/2600 MHz, DC smart bypass	DC smart bypass			4.3-10 female	
Quad	E14F10P92	Quad Triplexer 18-21/23/26 DCALL	•	•	•	4.3-10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

MULTIBAND COMBINERS

Triplexers

380–960/1350–1880/1920–2690 MHz

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Twin	E14F10P89	Twin Triplexer, 380-960/1350-1880/1920-2690 MHz, DC smart bypass	DC smart bypass			4.3-10 female	
Single	E14F10P81	Ultra Compact Single Triplexer 380-960/1350-1880/1920-2690, DC all bypass	•	•	•	4.3-10 female	
Twin	E14F10P85	Twin Triplexer, 380-960/1350-1880/1920-2690 MHz, DC all bypass	•	•	•	4.3-10 female	

700/800/900 MHz

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Twin	E14F11P11	Twin Triplexer, 703-788/811-862/890-950 MHz, DC smart bypass	DC smart bypass			4.3-10 female	
Twin	E14F11P17	Twin Triplexer, 703-788/801-852/890-951 MHz, DC block on all ports, 4.3-10 connectors	DC block			4.3-10 female	

612-960/1695-2700/3300-4200 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Twin	E14F11P27	Twin Triplexer, 612-960/1695-2700/3300-4200 MHz	DC sense		4.3-10 female	

ULTRA COMPACT MULTIBAND COMBINERS

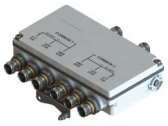
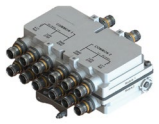
Triplexers

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Single	E14F10P54	Ultra Compact Single Triplexer, 1800/2100/2300–2600 MHz				4.3–10 female	
Twin	E14F10P46	Ultra Compact Twin Triplexer, 1800/2100/2300–2600 MHz				4.3–10 female	
Quad	E14F10P60	Ultra Compact Quad Triplexer, 1800/21/2300–2600 MHz				4.3–10 female	
Twin	E14F60P01	Ultra Compact Twin Triplexer, 1695–2690/3400–3800/5150– 5925 MHz, DC low bypass	•			4.3–10 female	
Quad	E14F60P02	Ultra Compact Quad Triplexer, 1695–2690/3400–3800/5150– 5925 MHz, DC low bypass	•			4.3–10 female	
Single	E14F10P78	Ultra Compact Single Triplexer, 698–960/1350–1880/1920–2690 MHz, DC low bypass	•			4.3–10 female	
Twin	E14F10P79	Ultra Compact Twin Triplexer, 698–960/1350–1880/1920–2690 MHz, DC low bypass	•			4.3–10 female	
Quad	E14F10P80	Ultra Compact Quad Triplexer, 698–960/1350–1880/1920–2690 MHz, DC low bypass	•			4.3–10 female	
Single	E14F10P81	Ultra Compact Single Triplexer 380–960/1350–1880/1920–2690 MHz, DC bypass all	•	•	•	4.3–10 female	
Twin	E14F10P68	Ultra Compact Twin Triplexer, 380–2200/2300–2700/3300–4200 MHz	•			4.3–10 female	
Single	E14F10P94	Single Triplexer, 380–2200/2300–2690/3300–4200 MHz, DC bypass low	•			4.3–10 female	
Single	E14F10P95	Single Triplexer, 380–960/1400–1800/1920–3800 MHz, DC bypass low	•			4.3–10 female	
Twin	E12F03P90	Ultra Compact Twin Triplexer 18/21/23-26	DC block			4.3–10 female	
Quad	E14F07P01	Ultra Compact Quad Triplexer 18/21/23-26	DC block			4.3–10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

ULTRA COMPACT MULTIBAND COMBINERS

Triplexers

Package	Part Number	Description	DC Bypass			Connector Type	Product Image
			Band 1	Band 2	Band 3		
Twin	E14F10P63	Ultra Compact Twin Triplexer, 617-960/1695-2700/3400-4200 MHz, DC low bypass	•			4.3-10 female	
Quad	E14F10P64	Ultra Compact Quad Triplexer, 617-960/1695-2700/3400-4200 MHz, DC low bypass	•			4.3-10 female	

QUADPLEXERS

Product Summary

P/N	Frequency (MHz)				Connector Type (Female)	Modularity	DC/AISG Bypass	Note
E14F15P13	698-960	1710-1880	1920-2170	2300-2690	4.3-10	Single	All ports DC bypass	Standard
E16V90P34	698-960	1710-1880	1920-2170	2300-2690	4.3-10	Twin	All ports DC bypass	Standard
E16V90P58	698-960	1710-1880	1920-2170	2300-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F15P09	694-862	880-960	1710-1880	1920-2690	4.3-10	Single	All ports DC bypass	Standard
E14F15P10	694-862	880-960	1710-1880	1920-2690	4.3-10	Twin	All ports DC bypass	Standard
E14F15P12	694-862	880-960	1710-1880	1920-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F15P43	698-862	880-960	1710-2170	2300-2700	4.3-10	Twin	Smart DC bypass	Standard
E14F15P19	698-960	1710-1880	1920-2170	2300-2700	4.3-10	Single	Low ports DC bypass	Ultra Compact
E14F15P17	698-960	1710-1880	1920-2170	2300-2700	4.3-10	Twin	Low ports DC bypass	Ultra Compact
E14F15P24	1425-1880	1920-2170	2300-2690	3500-3700	4.3-10	Single	All ports DC bypass	Ultra Compact
E14F15P23	1425-1880	1920-2170	2300-2690	3500-3700	4.3-10	Twin	All ports DC bypass	Ultra Compact
E14F15P31	1350-1880	1920-2170	2300-2400	2496-2700	4.3-10	Twin	All ports DC block	Ultra Compact
E14F15P32	1350-1880	1920-2170	2300-2400	2496-2700	4.3-10	Quad	All ports DC block	Ultra Compact
E14F15P33	1350-2200	2300-2400	2496-2700	3300-4200	4.3-10	Twin	All ports DC block	Ultra Compact
E16V90P56	1710-1880	1920-2170	2300-2400	2500-2690	4.3-10	Twin	All ports DC bypass	Standard
E16V90P57	1710-1880	1920-2170	2300-2400	2500-2690	4.3-10	Twin	Smart DC bypass	Standard
E14F15P34	380-960	1350-1880	1920-2170	2300-3800	4.3-10	Single	Low ports DC bypass	Ultra Compact
E14F15P44	617-960	1350-2200	2300	2600	4.3-10	Quad	DC bypass	Ultra Compact
E14F15P47	612-960	1350-2200	2300-2400	2496-2700	4.3-10	Quad	Low ports DC bypass	Ultra Compact
E14F11P28	612-960	1695-2700	3300-4200		4.3-10	Quad		Standard

Specifications are subject to change. Please visit our website for the latest specifications.

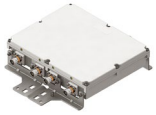
MULTIBAND COMBINERS

Quadplexers

698–960/1710–1880/1920–2170/2300–2690 MHz

Package	Part Number	Description	DC Bypass				Connector Type	Product Image
			Band 1	Band 2	Band 3	Band 4		
Single	E14F15P13	Quadplexer, 698–960/1800/2100/2300–2600 MHz, DC all bypass	•	•	•	•	4.3–10 female	
Twin	E16V90P34	Twin Quadplexer, 698–960/1800/2100/2300–2600 MHz, DC all bypass	•	•	•	•	4.3–10 female	
	E16V90P58	Twin Quadplexer, 698–960/1800/2100/2300–2600 MHz, DC smart bypass	DC smart bypass				4.3–10 female	
	E14F15P56	Twin Quadplexer 698–960/1800/2100/2300–2600 MHz DC smart bypass	DC smart bypass				4.3–10 female	

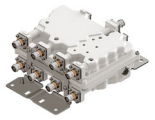
694–862/880–960/1710–1880/1920–2690 MHz

Package	Part Number	Description	DC Bypass				Connector Type	Product Image
			Band 1	Band 2	Band 3	Band 4		
Single	E14F15P09	Quadplexer, 700–800/900/1800/2100–2300–2600 MHz, DC all bypass	•	•	•	•	4.3–10 female	
Twin	E14F15P10	Twin Quadplexer, 700–800/900/1800/2100–2300–2600 MHz, DC all bypass	•	•	•	•	4.3–10 female	
	E14F15P12	Twin Quadplexer, 700–800/900/1800/2100–2300–2600 MHz, DC smart bypass	DC smart bypass				4.3–10 female	

MULTIBAND COMBINERS

Quadplexers

1710–1880/1920–2170/2300–2400/2500–2690 MHz

Package	Part Number	Description	DC Bypass				Connector Type	Product Image
			Band 1	Band 2	Band 3	Band 4		
Twin	E16V90P56	Twin Quadplexer, 18/21/23/26, DC all bypass	•	•	•	•	4.3–10 female	
	E16V90P57	Twin Quadplexer, 1800/2100/2300/2600 MHz, DC smart bypass	DC smart bypass				4.3–10 female	

698–862/880–960/1710–2170/2300–2700 MHz

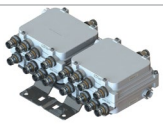
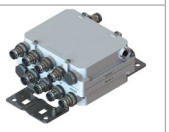
Package	Part Number	Description	DC Bypass				Connector Type	Product Image
			Band 1	Band 2	Band 3	Band 4		
Twin	E14F15P43	Twin Quadplexer, 698–862/880–960/1710–2170/2300–2700 MHz, DC smart bypass	DC smart bypass				4.3–10 female	

* Please contact ANDREW Technical Support to learn more about this product.

Specifications are subject to change. Please visit our website for the latest specifications.

ULTRA COMPACT MULTIBAND COMBINERS

Quadplexers

Package	Part Number	Description	DC Bypass				Connector Type	Product Image
			Band 1	Band 2	Band 3	Band 4		
Single	E14F15P19	Ultra Compact Single Quadplexer, 698–960/1800/2100/2300–2600 MHz	•				4.3–10 female	
Twin	E14F15P17	Ultra Compact Twin Quadplexer, 698–960/1800/2100/2300–2600 MHz	•				4.3–10 female	
Single	E14F15P24	Ultra Compact Single Quadplexer, 1400–1800/2100/2300–2600/3500–3700 MHZ	•	•	•	•	4.3–10 female	
Twin	E14F15P23	Ultra Compact Twin Quadplexer, 1400–1800/2100/2300–2600/3500–3700 MHZ	•	•	•	•	4.3–10 female	
Twin	E14F15P31	Ultra Compact Twin Quadplexer, 1350–1880/1920–2170/2300–2400/2496–2700 MHz					4.3–10 female	
Quad	E14F15P32	Ultra Compact Quad Quadplexer, 1350–1880/1920–2170/2300–2400/2496–2700 MHz					4.3–10 female	
Twin	E14F15P33	Ultra Compact Twin Quadplexer, 1350–2200/2300–2400/2496–2700/3300–4200 MHz					4.3–10 female	
Single	E14F15P34*	Single Quadplexer, 380-960/1400-1800/2100/2300-3800 MHz, DC Bypass Low	•				4.3–10 female	
Quad	E14F15P44	Ultra Compact Quad Quadplexer,617-960/1350-2200/23/26, DC bypass on all ports, 4.3-10 connectors	•	•	•	•	4.3–10 female	
Single	E14F15P47	Ultra Compact Single Quadplexer 612-960/1350-2200/2300-2400, 2496-2700/3300-4200 MHz, with 4.3-10 connectors,dc bypass on low band port	•				4.3–10 female	

* Please contact ANDREW Technical Support to learn more about this product.

PENTAPLEXERS

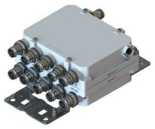
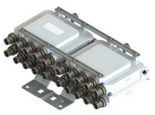
Product Summary

P/N	Frequency (MHz)					Connector Type (Female)	Modularity	DC/AISG Bypass	Note
E14F20P06	698-960	1425-1880	1920-2170	2300-2690	3500-3700	4.3-10	Single	All ports DC bypass	Ultra Compact
E14F20P05	698-960	1425-1880	1920-2170	2300-2690	3500-3700	4.3-10	Twin	All ports DC bypass	Ultra Compact
E14F20P09	698-960	1350-2200	2300-2400	2496-2700	3300-4200	4.3-10	Twin	Low ports DC bypass	Ultra Compact
E14F20P19	617-960	1350-2200	2300-2400	2496-2700	3300-4200	4.3-10	Quad	DC/AISG bypass	Ultra Compact

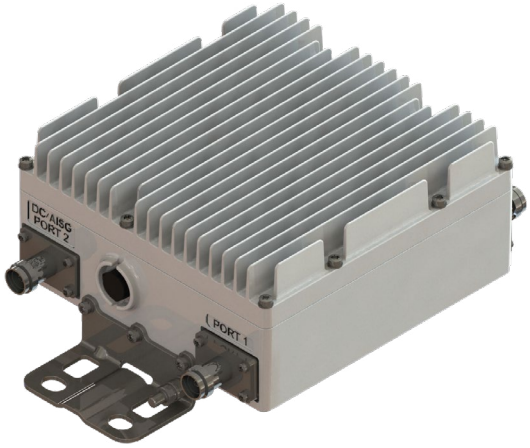
Specifications are subject to change. Please visit our website for the latest specifications.

ULTRA COMPACT MULTIBAND COMBINERS

Pentaplexers

Package	Part Number	Description	DC Bypass					Connector Type	Product Image
			Band 1	Band 2	Band 3	Band 4	Band 5		
Single	E14F20P06	Ultra Compact Single Pentaplexer, 698–960/1400–1800/2100/ 2300–2600/3500–3700 MHz	•	•	•	•	•	4.3–10 female	
Single	E14F20P14	Ultra Compact Single Pentaplexer, 698-960/1400-1800/2100/ 2300-2600/3500-3700, DC low bypass	•					4.3–10 female	
Twin	E14F20P05	Ultra Compact Twin Pentaplexer, 698–960/1400–1800/2100/ 2300–2600/3500–3700 MHz	•	•	•	•	•	4.3–10 female	
Twin	E14F20P09	Ultra Compact Pentaplexer, 617– 960/1350–2200/2300–2400/ 2496–2700/3300–4200 MHz	•					4.3–10 female	
Quad	E14F20P19	Ultra Compact Quad Pentaplexer 617-960/1350-2200/2300-2400/ 2496-2700/3300-4200, DC/AISG bypass on all ports, with 4.3-10 connectors	•	•	•	•	•	4.3–10 female	

SAMEBAND COMBINERS



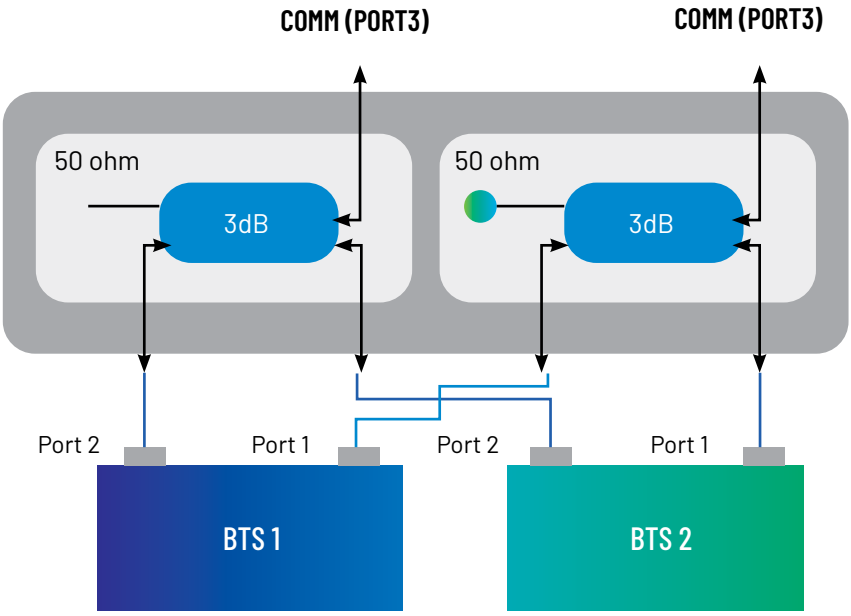
Rising demand for connectivity and capacity is driving network operators to modernize their existing sites with new technologies. With many rooftops overcrowded by antennas and towers overloaded however, operators often must settle for less desirable locations—sacrificing network performance and coverage.

ANDREW same-band combiners (SBCs) enable operators to modernize their existing sites while reducing the number of antennas required. With a wide portfolio of hybrid and low-loss combiners, ANDREW enables operators to address the challenges of network modernization with innovation and efficiency.

HYBRID COMBINER

The hybrid combiner is a directional coupler that equally combines or splits signals to/from two ports. ANDREW's hybrid combiners allow combining uplink and downlink signals within the same band—providing an economical and flexible solution.

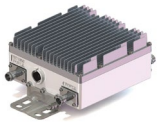
- Full-band transmission on both ports
- More flexibility in terms of operating spectrum



SAME BAND COMBINERS

Hybrid Combiners

698–2700 MHz

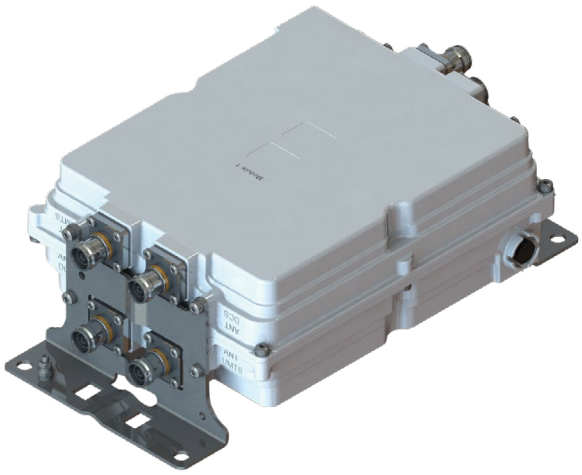
Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Single	D15T01P37	Hybrid Combiner 2:1, 698–2700 MHz		•	4.3–10 female	
Twin	D15T01P38	Twin Hybrid Combiner 2:1, 698–2700 MHz		•	4.3–10 female	

3300–5925 MHz

Package	Part Number	Description	DC Bypass		Connector Type	Product Image
			Band 1	Band 2		
Twin	D15T01P40	Twin Hybrid Combiner, 3300–5925 MHz		•	4.3–10 female	
Single	E14F11P26	Single Combiner, 555-2690/3300-5925/3300-4200 MHz, with 4.3-10 connectors			4.3–10 female	
Twin	E14F11P14	Twin Combiner, 555-2690/3300-5925/3300-4200 MHz, with 4.3-10 connectors			4.3–10 female	

TOWER MOUNTED AMPLIFIERS (TMAS)

TMAs customised to perform simply and flawlessly—regardless of OEM equipment



With global 5G deployments increasing, network operators need to squeeze more capacity and coverage from their macro sites. Tower-mounted amplifiers (TMAs) are a critical tool for boosting radio sensitivity and improving the uplink budget of ground-mounted radio equipment. But RAN deployments are growing more complex and diverse. Optimising performance for each site requires TMA solutions that are interoperable with all major radio OEMs and designed, customised and tested to meet the specific site needs.

ANDREW's family of TMAs delivers on four key requirements:

- **Interoperability:** ANDREW TMAs are designed, engineered, and tested to be OEM-independent, enabling you to deploy a best fit solution.
- **Customisation:** TMA customisation services optimise performance for your specific frequencies and can develop final products in as little as 12 weeks.
- **Simplification:** From a smaller footprint and optional integrated interference mitigation filter/combiner functionalities to remote upgrades and easier deployment, TMAs are designed to do more than amplify.
- **Reliable performance:** Extreme testing during production ensures every TMA meets our rigorous standards for RF and PIM performance, and environmental toughness.

With 500,000+ TMAs deployed globally in the past 10 years, and just a 0.1 percent return rate, ANDREW provides the customised performance, simplified deployment and guaranteed reliability today's high-demand wireless networks require.

TOWER MOUNTED AMPLIFIERS (TMAS)

The Strength in Our Numbers

Network complexity and user expectations are increasing. Now more than ever, MNOs rely on high-quality TMAs to meet the capacity and coverage requirements of their networks, including 5G. That means delivering on four key requirements:

INTEROPERABILITY Works with any OEM's equipment

CUSTOMIZATION Best performance, smallest footprint

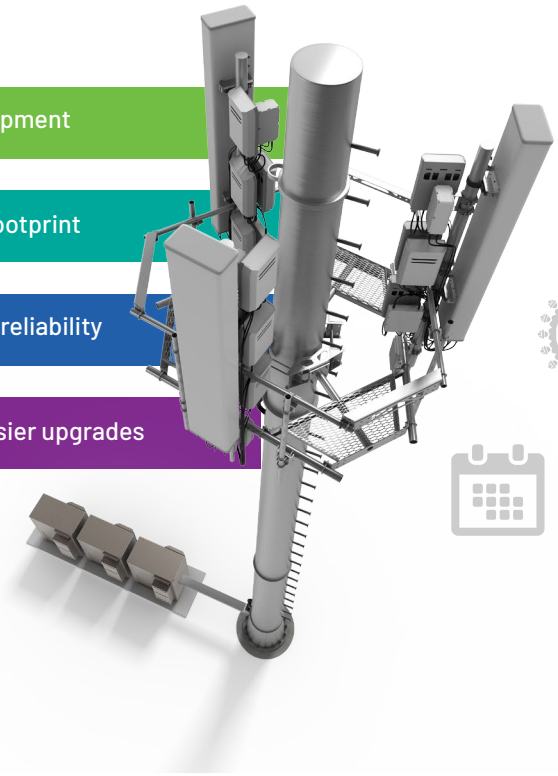
DOCUMENTED KPIs Throughput, PIM rejection, reliability

SIMPLIFIED DESIGN Fewer RF elements and easier upgrades

+500K TMAs
deployed in 10 years
100% interoperable

100s
of configurations
1 provider

0.1%
return rate

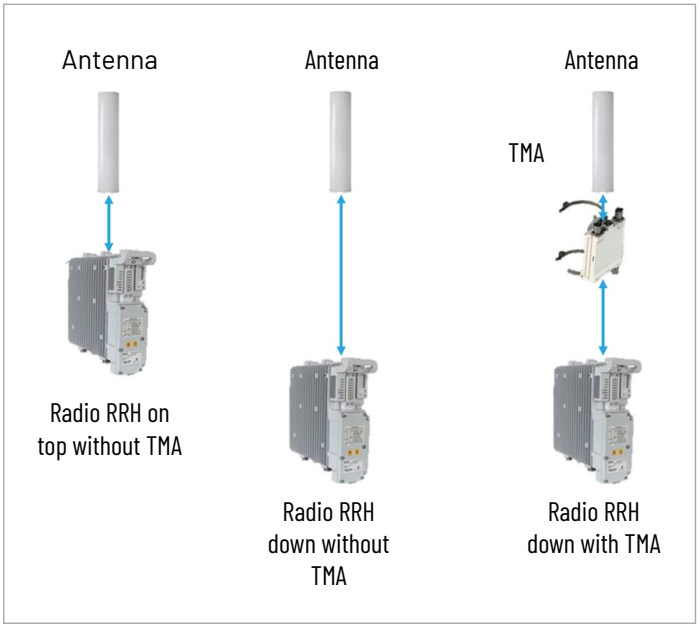


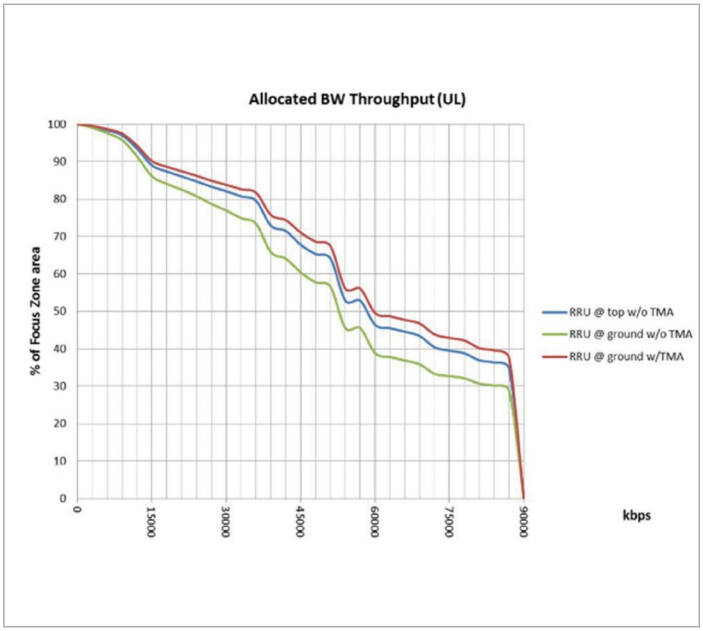
30+
years as a TMA pioneer & innovator - global presence

80+
global customization engineers

≈12 weeks
sample simulation to design/produce customized TMA

Your TMAs should be interoperable, customizable, and simple. Ours are.





SINGLE BAND TMA

Product Summary

P/N	Product Description	Frequency (MHz)	No. of Connectors BTS-ANT	No. of AISG Connectors	Connector Type (Female)
E14R00P46	TMA700	UL 703–733 MHz DL 758–788 MHz	2-2	1	4.3-10
E14R50P01	TMA800	UL 832–862 MHz DL 791–821 MHz	2-2	1	4.3-10
E16R01P97	TMA900	UL 880–915 MHz DL 925–960 MHz	2-2	1	4.3-10
E14R00P02	TMA1800	UL 1710–1880 MHz DL 1920–2170 MHz	2-2	1	4.3-10
E14R00P44	TMA1800 with 1400 MHz bypass	UL 1710–1880 MHz DL 1920–2170 MHz	2-2	1	4.3-10
E14R00P07	TMA2100	UL 1920–1980 MHz DL 2110–2170 MHz	2-2	1	4.3-10
E14R00P06	TMA2600	UL 2500-2570 MHz DL 2620-2690 MHz	2-2	1	4.3-10

Specifications are subject to change. Please visit our website for the latest specifications.

TOWER MOUNTED AMPLIFIERS

Single Band

700 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	Connector Type	Product Image
Twin	E14R00P46	Single band TMA, 700 MHz, F12dB 2:2 1AISG12	2-2	1	4.3-10 female	

800 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	Connector Type	Product Image
Twin	E14R50P01	Single band TMA, 800 MHz F12dB 2:2 1AISG12	2-2	1	4.3-10 female	

TOWER MOUNTED AMPLIFIERS

Single band

900 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	Connector Type	Product Image
Twin	E16R01P97	Single band TMA, 900 MHz F12dB 2:2 1AISG 1>2	2-2	1	4.3-10 female	

1800 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	Connector Type	Product Image
Twin	E14R00P02	Single band TMA, 1800 MHz F12dB 2:2 1AISG 1>2	2-2	1	4.3-10 female	
Twin	E14R00P44	Single band TMA, 1800 MHz F12dB 2:2 1AISG12 bypass 1400 MHz	2-2	1	4.3-10 female	

2100 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	Connector Type	Product Image
Twin	E14R00P07	Single band TMA, 2100 MHz F12dB 2:2 1AISG1>2	2-2	1	4.3-10 female	

2600 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	Connector Type	Product Image
Twin	E14R00P06	Single band TMA, 2600 MHz F12dB 2:2 1AISG 1>2	2-2	1	4.3-10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

DUAL BAND TMA

Product Summary

P/N	Product Description	Frequency (MHz)	No. of Connectors BTS-ANT	No. of AISG Connectors	Connector Type (Female)
E14R50P02	TMA700/900	UL 703–748 MHz DL 746–756 MHz UL 898–915 MHz DL 943–960 MHz	2-2	1	4.3-10
E14R50P03	TMA700/900	UL 703–733 MHz DL 758–788 MHz UL 880–915 MHz DL 925–960 MHz	2-2	1	4.3-10
E14R50P11	TMA700/900	UL 703–733 MHz DL 758–788 MHz UL 880–915 MHz DL 925–960 MHz	2-4	1	4.3-10
E14R50P12	TMA700/900	UL 703–733 MHz DL 758–788 MHz UL 880–915 MHz DL 925–960 MHz	2-4	1	4.3-10
E14R00P49	TMA700/900	UL 703–748 MHz DL 758–803 MHz UL 890–915 MHz DL 935–960 MHz	2-2	1	4.3-10
E14R00P41	TMA700/800	UL 703–733 MHz DL 758–788 MHz UL 832–862 MHz DL 791–821 MHz	2-2	1	4.3-10
E14R00P42	TMA700/800	UL 703–733 MHz DL 758–788 MHz UL 832–862 MHz DL 791–821 MHz	2-2	1	4.3-10
E16R30P00	TMA800/900	UL 832–862 MHz DL 791–821 MHz UL 880–915 MHz DL 925–960 MHz	2-2	1	4.3-10
E16R30P05	TMA800/900	UL 832–862 MHz DL 791–821 MHz UL 880–915 MHz DL 925–960 MHz	2-4	1	4.3-10
E16R30P02	TMA800/900	UL 832–862 MHz DL 791–821 MHz UL 880–915 MHz DL 925–960 MHz	2-2	1	4.3-10
E14R00P16	TMA800/900	UL 832–862 MHz DL 791–821 MHz UL 880–915 MHz DL 925–960 MHz	2-4	1	4.3-10
E14R00P58	TMA800/900 with bypass 700 MHz	UL 832–862 MHz DL 791–821 MHz UL 832–862 MHz DL 791–821 MHz	2-4	1	4.3-10
E14R00P59	TMA800/900 with bypass 700 MHz	UL 832–862 MHz DL 791–821 MHz UL 832–862 MHz DL 791–821 MHz	2-4	1	4.3-10

DUAL BAND TMA

Product Summary

P/N	Product Description	Frequency (MHz)	No. of Connectors BTS-ANT	No. of AISG Connectors	Connector Type (Female)
E14R00P35	TMA1800/2100 with 1400 MHz bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz	2-2	1	4.3-10
E14R00P54	TMA1800/2100	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz	2-2	1	4.3-10
E14R00P55	TMA1800/2100	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz	2-2	1	4.3-10
E14R00P56	TMA1800/2100	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz	2-4	1	4.3-10
E14R00P57	TMA1800/2100	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz	2-4	1	4.3-10
E14R00P30	TMA1800/2600	UL 1710–1785 MHz DL 1805–1880 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-2	1	4.3-10
E16S02P68	TMA1800/2600	UL 1710–1785 MHz DL 1805–1880 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-4	1	4.3-10
E16S02P69	TMA1800/2600	UL 1710–1785 MHz DL 1805–1880 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-4	1	4.3-10
E16S02P70	TMA1800/2600	UL 1710–1785 MHz DL 1805–1880 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-2	1	4.3-10
E16S02P65	TMA2100/2600	UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-2	1	4.3-10
E16S02P63	TMA2100/2600	UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-4	1	4.3-10
E16S02P64	TMA2100/2600	UL 1920–1980 MHz D L 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-4	1	4.3-10

Specifications are subject to change. Please visit our website for the latest specifications.

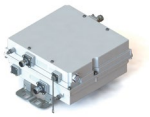
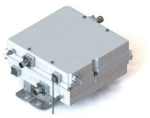
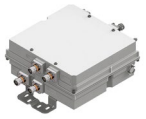
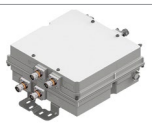
TOWER MOUNTED AMPLIFIERS

Dual band

700/800 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	No of Devices-Subunits	Connector Type	Product Image
Twin	E14R00P41	Dual Band TMA, 700/800 MHz F12dB 2:2 1AISG12	2-2	1	1-2	4.3-10 female	
Twin	E14R00P42	Dual Band TMA, 700/800 MHz F12dB 2:2 1AISG22	2-2	1	2-2	4.3-10 female	

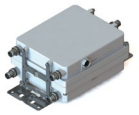
700/900 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	No of Devices-Subunits	Connector Type	Product Image
Twin	E14R50P02	Dual band TMA, 700/900 MHz F12dB 2:2 1AISG 1>2	2-2	1	1-2	4.3-10 female	
Twin	E14R50P03	Dual band TMA, 700/900 MHz F12dB 2:2, 1AISG 2>2	2-2	1	2-2	4.3-10 female	
Twin	E14R50P11	Dual band TMA, 700/900 MHz F12dB 2:4, 1AISG2>2	2-4	1	2-2	4.3-10 female	
Twin	E14R50P12	Dual band TMA, 700/900 MHz F12dB 2:4 1AISG1>2	2-4	1	1-2	4.3-10 female	

TOWER MOUNTED AMPLIFIERS

Dual band

800/900 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	No of Devices-Subunits	Connector Type	Product Image
Twin	E16R30P00	Dual band TMA, 800/900 MHz F12dB 2:2, 1AISG 2>2	2-2	1	2-2	4.3-10 female	
Twin	E16R30P02	Dual band TMA, 800/900 MHz F12dB 2:2, 1AISG 1>2	2-2	1	1-2	4.3-10 female	
Twin	E16R30P05	CS-TMA, 800/900 MHz F12dB 2:4, 1AISG 2>2	2-4	1	2-2	4.3-10 female	
Twin	E14R00P16	Dual band TMA, 800/900 MHz F12dB 2:4, 1AISG 1>2	2-4	1	1-2	4.3-10 female	
Twin	E14R00P58	Dual band TMA, 800/900 MHz F12dB 2:4, 1AISG 1>2 BY07	2-4	1	1-2	4.3-10 female	
Twin	E14R00P59	Dual band TMA, 800/900 MHz F12dB 2:4, 1AISG 2>2 BY07	2-4	1	2-2	4.3-10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

TOWER MOUNTED AMPLIFIERS

Dual band

1800/2100 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	No of Devices-Subunits	Connector Type	Product Image
Twin	E14R00P35	Dual band TMA 1800/2100 MHz F12dB 2:2, 1AISG 1>2 BY14	2-2	1	1-2	4.3-10 female	
Twin	E14R00P36	Dual band TMA 1800/2100 MHz F12dB 2:2, 1AISG 1>2 BY14	2-2	1	2-2	4.3-10 female	
Twin	E14R00P54	Dual band TMA 1800/2100 MHz F12dB 2:2, 1AISG 1>2	2-2	1	1-2	4.3-10 female	
Twin	E14R00P55	Dual band TMA 1800/2100 MHz F12dB 2:2, 1AISG 2>2	2-2	1	2-2	4.3-10 female	
Twin	E14R00P56	Dual band TMA 1800/2100 MHz F12dB 2:4, 1AISG 1>2	2-4	1	1-2	4.3-10 female	
Twin	E14R00P57	Dual band TMA 1800/2100 MHz F12dB 2:4, 1AISG 1>2	2-4	1	2-2	4.3-10 female	

1800/2600 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	No of Devices-Subunits	Connector Type	Product Image
Twin	E16S02P68	Dual band TMA, 1800/2600 MHz F12dB 2:4 1AISG 1>2	2-4	1	1-2	4.3-10 female	
Twin	E16S02P69	CS-TMA, 1800/2600 MHz F12dB 2:4 1AISG 2>2	2-4	1	2-2	4.3-10 female	
Twin	E16S02P70	Dual band TMA, 1800/2600 MHz F12dB 2:2 1AISG 1>2	2-2	1	1-2	4.3-10 female	
Twin	E14R00P30	Dual band TMA, 1800/2600 MHz F12dB, 2:2 1AISG 2>2	2-2	1	2-2	4.3-10 female	

TOWER MOUNTED AMPLIFIERS

Dual band

2100/2600 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	No of Devices-Subunits	Connector Type	Product Image
Twin	E16S02P63	Dual band TMA 2100/2600 MHz F12dB 2:4 1AISG 2>2	2-4	1	2-2	4.3-10 female	
Twin	E16S02P64	Dual band TMA 2100/2600 MHz F12dB 2:4 1AISG 1>2	2-4	1	1-2	4.3-10 female	
Twin	E16S02P65	Dual band TMA 2100/2600 MHz F12dB 2:2 1AISG 2>2	2-2	1	2-2	4.3-10 female	
Twin	E14R00P15	Dual band TMA 2100/2600 MHz F12dB 2:2 1AISG 1>2	2-2	1	2-2	4.3-10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

TRI BAND TMA

Product Summary

P/N	Product Description	Frequency (MHz)	No. of Connectors BTS-ANT	No. of AISG Connectors	Connector Type (Female)
E14R00P72	TMA 700/800/900 MHz	UL 723–733 MHz DL 778–788 MHz UL 811–821 MHz DL 852–862 MHz UL 890–905 MHz DL 935–950 MHz	2-2	1	4.3-10
E14R00P73	TMA 700/800/900 MHz	UL 723–733 MHz DL 778–788 MHz UL 811–821 MHz DL 852–862 MHz UL 890–905 MHz DL 935–950 MHz	2-2	1	4.3-10
E14R00P76	TMA 700/800/900 MHz	UL 703–733 MHz DL 758–778 MHz UL 791–821 MHz DL 832–862 MHz UL 880–915 MHz DL 925–960 MHz	2-2	1	4.3-10
E14R00P77	TMA 700/800/900 MHz	UL 703–733 MHz DL 758–778 MHz UL 791–821 MHz DL 832–862 MHz UL 880–915 MHz DL 925–960 MHz	2-2	1	4.3-10
E14R00P29	TMA1800/2100/2600 MHz	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-2	1	4.3-10
E16Z01P43	TMA1800/2100/2600 MHz	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	1-2	1	4.3-10

TRI BAND TMA

Product Summary

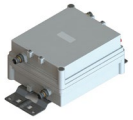
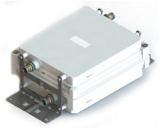
P/N	Product Description	Frequency (MHz)	No. of Connectors BTS-ANT	No. of AISG Connectors	Connector Type (Female)
E16Z01P85	TMA 1800/2100/2600 MHz 2in:4out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-4	1	4.3-10 female
E16Z01P86	TMA 1800/2100/2600 MHz 2in:4out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-4	1	4.3-10 female
E16Z01P87	TMA 1800/2100/2600 2in:6out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-6	1	4.3-10 female
E16Z01P88	TMA 1800/2100/2600 2in:6out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-6	1	4.3-10 female
E16Z01P89	TMA 1800/2100/2600 2in:8out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-8	1	4.3-10 female
E16Z01P90	TMA 1800/2100/2600 2in:8out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-8	1	4.3-10 female
E14R00P51	TMA 1800/2100/2600 2in:4out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-4	2	4.3-10 female
E14R00P52	TMA 1800/2100/2600 2in:6out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-6	2	4.3-10 female
E14R00P53	TMA 1800/2100/2600 2in:8out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	2-8	2	4.3-10 female
E14R00P67	TMA 1800/2100/2600 4in:4out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	4-4	1	4.3-10 female
E14R00P68	TMA 1800/2100/2600 4in:4out Low band bypass	UL 1710–1785 MHz DL 1805–1880 MHz UL 1920–1980 MHz DL 2110–2170 MHz UL 2500–2570 MHz DL 2620–2690 MHz	4-4	1	4.3-10 female

Specifications are subject to change. Please visit our website for the latest specifications.

TOWER MOUNTED AMPLIFIERS

Tri band

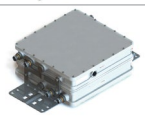
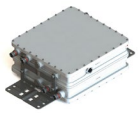
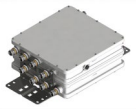
700/800/900 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	No of Devices-Subunits	Connector Type	Product Image
Twin	E14R00P72	Tri band TMA 723-788/811-862/890-950 MHz F12dB 2:2 1AISG1>2	2-2	1	1-2	4.3-10 female	
Twin	E14R00P73	Tri band TMA 723-788/811-862/890-950 MHz F12dB 2:2 1AISG1>2	2-2	1	3-2	4.3-10 female	
Twin	E14R00P76	Tri band TMA 703-778/791-862/880-960 F12dB 2:2 1AISG12	2-2	1	1-2	4.3-10 female	
Twin	E14R00P77	Tri band TMA 703-778/791-862/880-960 F12dB 2:2 1AISG32	2-2	1	3-2	4.3-10 female	

TOWER MOUNTED AMPLIFIERS

Tri band

1800/2100/2600 MHz

Package	Part Number	Description	No of Connectors BTS-ANT	No of AISG Connectors	No of Devices-Subunits	Connector Type	Product Image
Twin	E14R00P29	Tri band TMA 1800/2100/2600 MHz, F12dB 2:2, 1AISG1>3	2-2	1	1-3	4.3-10 female	
Twin	E16Z01P43	Tri band TMA 1800/2100/2600 MHz, F12dB 2:2, 1AISG1>2	2-2	1	1-2	4.3-10 female	
Twin	E16Z01P85	CS-TMA 1800/2100/2600 MHz, F12dB 2:4 1AISG1>2 BYWL14	2-4	1	1-2	4.3-10 female	
Twin	E14R00P51	Tri band TMA 1800/2100/2600 MHz, F12dB 2:4, 2AISG 1>2 BYWL14	2-4	2	1-2	4.3-10 female	
Twin	E16Z01P87	CS-TMA 1800/2100/2600 MHz, F12dB 2:6 1AISG 1>2 BYWL14	2-6	1	1-2	4.3-10 female	
Twin	E14R00P52	Tri band TMA 1800/2100/2600 MHz, F12dB 2:6, 2AISG 1>2 BYWL14	2-6	2	1-2	4.3-10 female	
Twin	E14R00P53	Tri band TMA 1800/2100/2600 MHz, F12dB 2:8,2AISG 1>2 BYWL14	2-8	2	1-2	4.3-10 female	
Twin	E16Z01P86	Tri band TMA 1800/2100/2600 MHz, F12dB 2:4,1AISG 3>2 BYWL14	2-4	1	1-3	4.3-10 female	
Twin	E16Z01P88	Tri band TMA 1800/2100/2600 MHz, F12dB 2:,6 1AISG 3>2 BYWL14	2-6	1	1-3	4.3-10 female	
Twin	E16Z01P89	Tri band TMA 1800/2100/2600 MHz, F12dB 2:8 1AISG 1>2 BYWL14	2-8	1	1-2	4.3-10 female	
Twin	E16Z01P90	Tri band TMA 1800/2100/2600 MHz, F12dB 2:8, 1AISG 3>2 BYWL14	2-8	1	1-3	4.3-10 female	
Twin	E14R00P67	CS-TMA 1800/2100/2600 MHz, F12dB 4:4 1AISG 1>2 BYWL14	4-4	1	1-2	4.3-10 female	
Quad	E14R00P68	CS-TMA 1800/2100/2600 MHz, F12dB 4:4 1AISG 2>2 BYWL14	4-4	1	2-2	4.3-10 female	

Specifications are subject to change. Please visit our website for the latest specifications.

NOTES

Since 1937, ANDREW, an Amphenol company, has driven the evolution of wireless technology. Trusted by mobile network operators and enterprises globally, we work closely with our customers to deliver innovative solutions that enhance connectivity experiences both outdoors and indoors. Our dedicated global team is committed to advancing the industry, fueled by the vision that a better-connected future is possible.

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