ROTEX
TELECOMMUNICATIONS
SUPPLY

Experience the Pulse of Modern Networks

Factory

TELANAR operates a comprehensive facility covering an area of approximately 10,000 square meters. Our facility integrates R&D, assembly, testing, packaging, warehousing, and sales into one seamless operation. We are committed to ensuring the highest product quality by following a strict quality inspection process at every stage of production. From R&D to the final packaging, we ensure that each product meets our high standards before reaching our customers.

Self-owned CNC Processing Center

Equipped with multiple models of CNC machine such as 700/850/1130...

- Control Over Production Quality
- Customization Available
- Faster Lead Times
- Cost Efficiency
- Quick Response to Changes
- Technical Expertise
- Scalability
- Independence

Test Equipment

Main test equipment:

- Vector network Analyzer;
- Spectrum Analyzer;
- Noise Meter ;
- Signal Generator;
- PIM Analyzer ;
- Temperature Chamber...

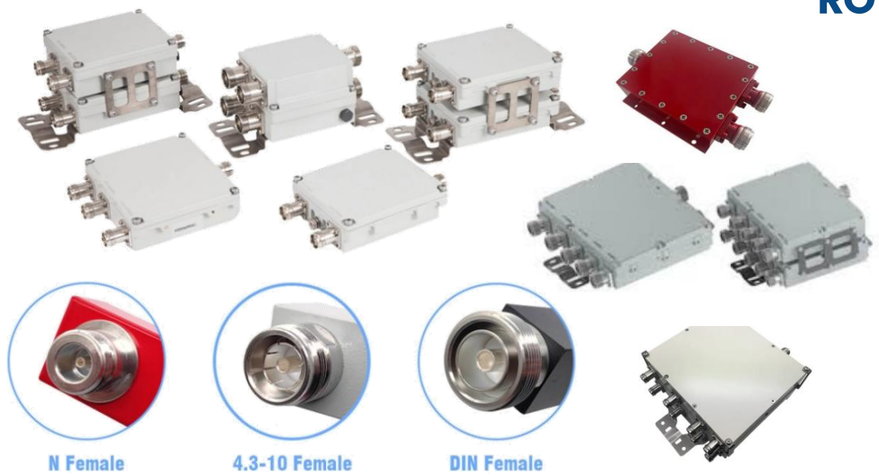
R&D Team

Our R&D team, backed by years of industry expertise, is committed to pioneering innovations and maintaining our competitive edge in the RF telecommunication market.

COMBINER

TELANAR combiner products offer superior signal integrity, ensuring reliable and efficient communication performance for diverse applications. Frequency can be from low frequency VHF ,UHF to 5G applications .

- Multi-frequency, multi-port combiner
- High Reliability ,Connector N, Mini Din 4.3-10 , 7/16 DIN available
- Power 200W(N) , 300W(4.3-10) ,500W(7/16 DIN)
- Low Insertion Loss, Low VSWR, Low PIM(IM3),
- IP67 for indoor or outdoor application
- Single or Dual Unit , Customization available



Model	Frequency (MHz)	Insertion Loss(dB)	Power (W)	Isolation (dB)	VSWR	PIM(dBc) (@2*43dBm)
Diplexer						
TA-DIPLEX-0859	Port 1: 80-2690 Port 2: 3300-5925	≤0.4	200	≥50	≤1.3	⩽-160
TA-DIPLEX-1721	Port 1: 1710-1880 Port 2: 1920-2170	≤0.4	300	≥50	≤1.25	⩽-160
TA-DIPLEX-0109	Port 1: 758-940 Port 2: 150-512	≤0.5	200	≥50	≤1.3	⩽-160
Triplexer						
TA-TRIPLE-0638	Port 1: 617-2100 Port 2: 2500-2690 Port 3: 3300-3800	≤0.3	200	≥50	≤1.25	⩽-160
TA-TRIPLE-0621	Port 1: 617-862 Port 2: 880-960 Port 3: 1710-2170	≤0.3	200	≥52	≤1.25	⩽-160
TA-TRIPLE-1859	Port 1: 1850-2000 Port 2: 1695-1780&2110-2200 Port 3: 2305-2690&3300-4200& 5150-5925	≤0.7	200	≥35	≤1.3	⩽-160
Quadplexer						
TA-QUAD-0327	Port 1: 380-960 Port 2: 1710-1880 Port 3: 1920-2170 Port 4: 2300-2700	≤0.4	200	≥50	≤1.25	⩽-160
TA-QUAD-0721	Port 1: 758-803 Port 2: 703-748 Port 3: 1920-1980 Port 4: 2110-2170	≤0.5	200	≥75	≤1.3	⩽-160

Model	Frequency (MHz)	Insertion Loss(dB)	Power (W)	Isolation (dB)	VSWR	PIM(dBc) (@2*43dBm
Quadplexer						
TA-QUAD-1738	Port 1: 1710-1880 Port 2: 1920-2200 Port 3: 2500-2690 Port 4: 3300-3800	≤0.4	200	≥52	≤1.25	⩽-160
TA-QUAD-0627	Port 1: 698-960 Port 2: 1710-1880 Port 3: 1920-2170 Port 4: 2300-2700	≤0.4	300	≥50	≤1.25	⩽-160
Pentaplexer						
TA-PENTA-0627	Port 1: 698-960 Port 2: 1710-1880 Port 3: 1920-2170 Port 4: 2300-2400 Port 5: 2500-2700	≤0.4	200	≥52	≤1.3	⩽-160
TA-PENTA-0740	Port 1: 790-960 Port 2: 1710-1880 Port 3: 1920-2170 Port 4: 2300-2700 Port 5: 3300-4000	≤0.4	200	≥52	≤1.27	⩽-160
Hexaplexer						
TA-HEXA-0726	Port 1: 703-788 Port 2: 791-862 Port 3: 880-960 Port 4: 1710-1880 Port 5: 1920-2170 Port 6: 2500-2690	≤0.5	200	≥50	≤1.3	⩽-160

FILTER

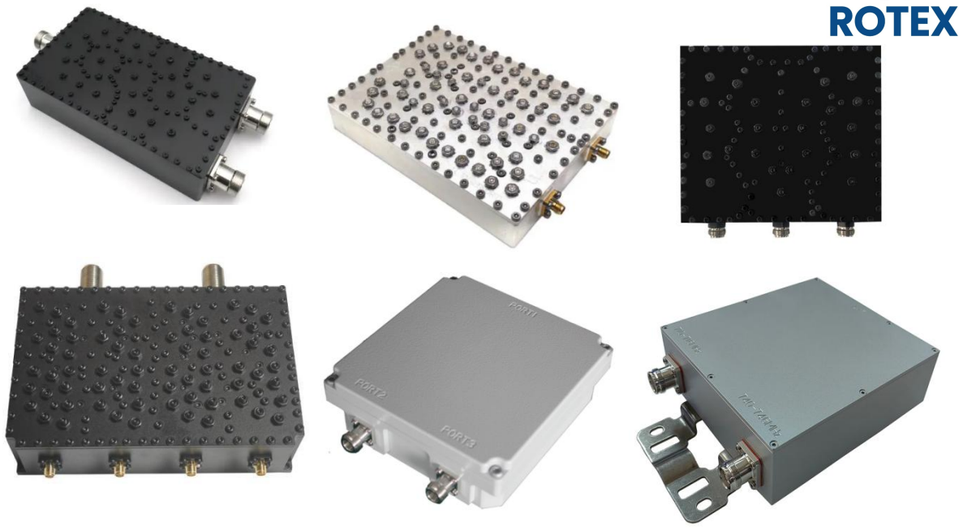
Filters are essential in RF communication systems, selectively passing or rejecting specific frequencies while attenuating others. At TELANAR, we specialize in designing and manufacturing high-performance filters, including **bandpass, bandstop, and waveguide ,LC** filters, tailored to meet the stringent demands of modern RF applications.

- Multi-frequency, multi-port combiner
- High Reliability ,Connector SMA, N, Mini Din 4.3-10 , 7/16 DIN available
- Power 200W(N) , 300W(4.3-10) ,500W(7/16 DIN)
- Low Insertion Loss, Low VSWR, Low PIM(IM3),High rejection ,Isolation
- IP67 for indoor or outdoor application
- Single or Dual Unit , Customization available

Model	Frequency (MHz)	Insertion Loss(dB)	Power (W)	Rejection	VSWR Return Loss(dB)
TA-BPF-2526-SMA/F	2570-2620	≤1.0	50	≥70 dB @ DC-1300 MHz ≥40 dB @ 1350-2460MHz ≥40 dB @ 2750-4000MHz ≥70 dB @ 4100-8000MHz	≥15
TA-BPF-2627-SMA/F	2690-2750	≤1.0	50	≥70 dB @ DC-1300 MHz ≥40 dB @ 1400-2600MHz ≥40 dB @ 2900-4000MHz ≥70 dB @ 4100-8300MHz	≥15
TA-BPF-3738-SMA/F	3700-3840	≤2.0	50	≥50 dB @ 1-3400 MHz ≥50 dB @ 3400-3690MHz ≥50 dB @ 3850-4000MHz ≥50 dB @ 4000-4200MHz ≥50 dB @ 4200-4900MHz	≤1.4
TA-BPF-0809-DINF/M	889-909& 934-954	≤1.2@889-909 ≤0.3@934-954	100	≥50dB@ (884 MHz)	≤1.3
TA-WGF-3542-FDM-F DUP	3525-4200	≤0.8@3525-3600 ≤0.3@3700-4200 ≤0.5@3600-3700	200	≥40@3200-3500MHz ≥52@4800-5000MHz	≥20
TA-BPF-0909-DIN/F	900.1-915& 945.1-960	≤1.0@900.1-915 ≤0.4@945.1-960	100	≥30@896-894MHz	≥20
TA-BPF-2323-N/F	2300-2390	≤1.0@2345 ≤2.0@2300-2390	70	≥30@F0±60MHz	≥20
TA-BPF-2527-SMA/F	2500-2700	≤0.5	500	≥35@0-2300&2600-3000	≤1.3

Model	Frequency (MHz)	Insertion Loss(dB)	Power (W)	Rejection	VSWR Return Loss(dB)
TA-BPF-0726-N/F	758-803& 869-894& 943-960& 1805-1880& 2110-2170& 2620-2690	≤1.0@780.5 ≤2.0@758-803& ≤1.0@881.5 ≤2.0@869-894& ≤1.0@951.5 ≤2.0@943-960& ≤1.0@1842.5 ≤2.0@1805-1880& ≤1.0@2140 ≤2.0@2110-2170& ≤1.0@2655 ≤2.0@2620-2690	100	≥50@F0±31MHz(DC to 749MHz, 811 to 3000MHz) ≥50@F0±31.5MHz(DC to 850MHz, 913 to 3000MHz) ≥50@F0±31.5MHz(DC to 920MHz, 983 to 3000MHz) ≥50@F0±52.5MHz(DC to 1790MHz, 1895 to4000 MHz) ≥50@F0±45MHz(DC to 2095MHz, 2185 to4000 MHz) ≥70@F0±53MHz(DC to 2602MHz, 2708 to4000 MHz)	≥18
TA-BPF-0708-N/F	769-775& 799-816& 851-861	≤1.5	50	≥30@788-798&758-768MHz	≤1.3
TA-LPF-0303-SMA/F	320-360	≤1.0	20	≥25@500MHz	≤1.35
TA-LPF-2126-N/F	2110-2690	≤1.5	30	≥60@1000-1800&3000-4000	≤1.3
TA-BRF-4959-SMA/F	4900-5900	≤1.0	2	≥40	≤1.7
TA-LCF-0210-SMA/F	DC-65 & 200-1000	≤1.3	1	≥60@88-108MHz	≤1.5
TA-BPF-1922-N/F	1985-2106& 2175-2298	≤2.5	30	≥35	≤1.3
TA-BPF-900-DIN/F	Pass band RX 905-915MHz TX 950-960MHz Stop band: 869-895MHz	≤0.5	150	≥52dB@869 to 895MHz	≥20

DUPLEXER



Duplexers are widely used in:Base Stations,Facilitating communication in cellular networks, Repeater Systems , Enhancing signal coverage in large areas.Public Safety Communications: Ensuring reliable two-way communication for emergency services.

- Wide Frequency Range
- High Power Handling, Low Insertion Loss, Low VSWR, High Isolation
- Compact Design
- N-female/ 7-16 DIN/ MINI-DIN 4.3-10/SMA connector Available

Model	Frequency (MHz)	Insertion Loss (dB)	VSWR	Isolation (dB)	Power (W)	Connector
TA-DLX-UHF	RX:401.5-404.5 TX:411.5-414.5	≤1.6	≤1.25	≥73	200	SMA-F
TA-DLX-B44	RX:758-806 TX:703-748	≤0.5	≤1.25	≥70	80	SMA-F
TA-DLX-B6	RX:820-835 TX:865-885	≤1.0	≤1.25	≥80	200	N-F
TA-DLX-B8	RX:885-909 TX:930-954	≤1.0	≤1.25	≥80	300	N-F
TA-DLX-B3	RX:1710-1735 TX:1805-1830	≤1.0	≤1.25	≥80	500	N-F
TA-DLX-B1	RX:1920-1980 TX:2110-2170	≤0.8	≤1.25	≥80	100	N-F
TA-DLX-618	RX:698-960 TX:1710-1880	≤0.5	≤1.25	≥50	100	DIN-F
TA-DLX-B27	RX:351-356 TX:361-366	≤1.7	≤1.3	≥80	200	N-F
TA-DLX-800	RX:806-824 TX:851-869	≤2.0	≤1.4	≥80	100	4.3-10-F

Model	Frequency (MHz)	Insertion Loss (dB)	VSWR	Isolation (dB)	Power (W)	Connector
TA-DLX-B1B3	RX:1805~1830/ 1930~1945/2155~2170 TX:1710~1735/ 1850~1865/1965~1980	≤1.5	≤1.3	≥60	5	N-F
TA-DLX-1318	RX:1300-1400 TX:1750-1850	≤0.3	≤1.3	≥80	50	SMA-F/N-F
TA-DPX-B8	RX:902-915 TX:920-928	≤2.0	≤1.3	≥42	40	SMA-F
TA-DPX-7284	RX:7250-7750 TX:7900-8400	≤0.6	≤1.25	≥70	50	N-F
TA-DPX-VHF	RX:166.125-167.350 TX:170.725-171.950	≤2.0	≤1.25	≥65	30	SMA-F
TA-DPX-B7	RX:2505-2535 TX:2660-2690	≤1.0	≤1.2	≥90	100	N-F
TA-DPX-1625	RX:1610-1626.5 TX:2483.5-2500	≤1.0	≤1.2	≥90	100	N-F

POI

POI (Point of Interface) is a passive device which combines multiple signal resources from multiple carriers and distributes to the DAS system. Hutsin's POI (Point of Interface) products are designed to facilitate seamless integration between different communication systems, ensuring optimal signal distribution and management.

TELANAR made POIs are applicable to mobile communications, private trunking communications, telecommunications access network and other systems such as LTE TDD, LTE FDD, TD-SCDMA, CDMA, GSM, DCS, WCDMA (UMTS), WLAN, etc.

- **High Performance:** Our POI products deliver exceptional signal clarity and reliability.
- **Scalability:** Easily scalable to accommodate network growth and increased traffic demands.
- **Versatility:** Suitable for a wide range of applications, including DAS (Distributed Antenna Systems) and BTS (Base Transceiver Stations).
- **Robust Design:** Built to withstand harsh environmental conditions, ensuring long-term durability.
- **Easy Installation:** Simplified installation process reduces deployment time and costs.

Model	TA-POI-0735-14IN2OUT			
Operators	**Band**	**Technology**	**Uplink**	**Downlink**
Maxis	1800	GSM/LTE	1710-1730	1805-1825
	2100	LTE	1935-1950	2125-2140
	2600	LTE	2500-2520	2620-2640
Celcom	1800	GSM/LTE	1745-1765	1840-1860
	2100	LTE	1950-1965	2140-2145
	2600	LTE	2530-2550	2650-2670
Digi	1800	GSM/LTE	1765-1785	1860-1880
	2100	LTE	1965-1980	2155-2170
	2600	LTE	2550-2570	2670-2690
U Mobile	2100	LTE	1920-1935	2110-2125
	2600	LTE	2520-2530	2640-2650
DNB	700	LTE	703-743	758-798
	3500	5G (TDD)	3400-3500	
YTL	2300	LTE (TDD)	2330-2360	
Insertion Loss (dB)	≤6.0			
Monitor Port Coupling Value(dB)	30±3			
Return Loss / VSWR	≤-18 dB			
Intermodulation (dBc)	≤-150 dBc(3rd order ;with 2×20W)			
Input Power Rating Per Port (W)	200			

Model	TA-POI-0823-9IN2OUT		
Road		Downlink	Uplink
Frequency(MHz)	Channel Name	MHz	MHz
	GSM900	934-960	889-915
	GSM1800	1805-1830	1710-1735
	TD-LTE(F)\	1885-1915	1885-1915
	TD-LTE(E)	2320-2370	2320-2370
	CDMA800	865-880	820-835
	LTE FDD1.8G	1860-1880	1765-1785
	LTE FDD2.1G	2110-2130	1920-1940
	GSM1800/LTE FDD1.8G	1830-1860	1735-1765
	WCDMA2100	2130-2170	1940-1980
Insertion loss	≤6 dB		
Isolation	≥25 dB(Between GSM1800& GSM1800/LTE FDD1.8G) ≥50 dB(Between GSM1800&LTE FDD1.8G) ≥25 dB(Between GSM1800/LTE FDD1.8G& LTE FDD1.8G) ≥25 dB(Between WCDMA 2100& LTE FDD2.1G ≥50 dB(Between LTE FDD 1.8G&TD-LTE(F) ≥50 dB(Between LTE FDD 2.1G&TD-LTE(F) ≥80 dB(Between other ports)		
Return loss	≤-18 dB		
Input power	200W		
connector	N-F / DIN-F		

Model	TA-POI-0823-12IN2OUT		
Road		Downlink	Uplink
Frequency (MHz)	Channel Name GSM900/GSM1800 TD-LTE(F)/TD-LTE(E) CDMA800 LTE FDD1.8G/LTE FDD2.1G GSM1800/LTE FDD1.8G WCDMA2100/TD-SCDMA(A) TD-LTE2.3G/TD-LTE2.3G	MHz 934-960/1805-1830 1885-1915/2320-2370 865-880/1860-1880 2110-2130/1830-1860 2130-2170/2010-2015 2370-2390/2300-2320	MHz 889-915/1710-1735 1885-1915/2320-2370 820-835/1765-1785 1920-1940/1735-1765 1940-1980/2010-2015 2370-2390/2300-2320
Insertion loss	≤6 dB		
Isolation	≥25 dB(Between GSM1800& GSM1800/LTE FDD1.8G) ≥50 dB(Between GSM1800&LTE FDD1.8G) ≥25 dB(Between GSM1800/LTE FDD1.8G& LTE FDD1.8G) ≥25 dB(Between WCDMA 2100& LTE FDD2.1G ≥25 dB(Between TD-LTE2.3G) ≥50 dB(Between LTE FDD 1.8G&TD-LTE(F) ≥50 dB(Between LTE FDD 2.1G&TD-LTE(F) ≥80 dB(Between other ports)		
Return loss	≤-18 dB		
Input power	200W		
Intermodulation	≤-150 dBc(3rd order ;with 2×20W)		

Model	TA-POI-0821-6IN2OUT		
Road		Downlink	Uplink
Frequency (MHz)	Channel Name GSM900 GSM1800 TD-LTE(F)\ TD-LTE(E) CDMA800 LTE FDD1.8G LTE FDD2.1G GSM1800/LTE FDD1.8G WCDMA2100	MHz 934-960 1805-1830 1885-1915 2320-2370 865-880 1860-1880 2110-2130 1830-1860 2130-2170	MHz 889-915 1710-1735 1885-1915 2320-2370 820-835 1765-1785 1920-1940 1735-1765 1940-1980
Insertion loss	≤6 dB		
Isolation	≥25 dB(Between GSM1800& GSM1800/LTE FDD1.8G) ≥50 dB(Between GSM1800&LTE FDD1.8G) ≥25 dB(Between GSM1800/LTE FDD1.8G& LTE FDD1.8G) ≥25 dB(Between WCDMA 2100& LTE FDD2.1G ≥50 dB(Between LTE FDD 1.8G&TD-LTE(F) ≥50 dB(Between LTE FDD 2.1G&TD-LTE(F) ≥80 dB(Between other ports)		
Return loss	≤-18 dB		
Input power	200W		
Intermodulation	≤-150 dBc(3rd order ;with 2×20W)		

Model	TA-POI-0823-8IN2OUT		
Road		Downlink	Uplink
Frequency (MHz)	Channel Name GSM900/GSM1800 TD-LTE(F)/TD-LTE(E) CDMA800/LTE FDD1.8G LTE FDD2.1G GSM1800/LTE FDD1.8G WCDMA2100/TD-SCDMA(A) TD-LTE2.3G/TD-LTE2.3G	MHz 934-960/1805-1830 1885-1915/2320-2370 865-880/1860-1880 2110-2130/1830-1860 2130-2170/2010-2015 2370-2390/2300-2320	MHz 889-915/1710-1735 1885-1915/2320-2370 820-835/1765-1785 1920-1940/1735-1765 1940-1980/2010-2015 2370-2390/2300-2320
Insertion loss	≤6 dB		
Isolation	≥25 dB(Between GSM1800& GSM1800/LTE FDD1.8G) ≥50 dB(Between GSM1800&LTE FDD1.8G) ≥25 dB(Between GSM1800/LTE FDD1.8G& LTE FDD1.8G) ≥25 dB(Between WCDMA 2100& LTE FDD2.1G ≥25 dB(Between TD-LTE2.3G) ≥50 dB(Between LTE FDD 1.8G&TD-LTE(F) ≥50 dB(Between LTE FDD 2.1G&TD-LTE(F) ≥80 dB(Between other ports)		
Return loss	≤-18 dB		
Input power	200W		
Intermodulation	≤-150 dBc(3rd order ;with 2×20W)		

Model	TA-POI-0826-17IN2OUT	
Frequency (MHz)	Channel Name CDMA850/CDMA850 CDMA800/GSM1800 GSM1800/GSM1800 GSM1800/GSM1800 WCDMA/WCDMA WCDMA/WCDMA WCDMA/LTE2600 TE2600/LTE2600 LTE2600	MHz 835-845&846.5-849/880-890&891.5-894 824-835&845-848.5 /869-880&890-893.5 806-821/851.5-866.5/1710-1732.5/1805-1827.5 1755-1765/1850-1860/1775-1785/1870-1880 1735-1755/1830-1850/1765-1775/1860-1870 1920-1935/2110-2125/1945-1955/2135-2145 1965-1975/2155-2165/1935-1945/2135-2145 1955-1965/2145-2155/2510-2530/2630-2650 2540-2550/2660-2670/2530-2540/2650-2660 2550-2570/2670-2690
Insertion Loss	≤7 dB	
Isolation	C85↔C85/ C85↔C80/G18↔G18/W2.1↔W2.1/L26↔L26-≥50dB L2.6↔W2.1↔G18↔C85-≥100dB iDEN TX→CDMA850 RX-≥100dB CDMA850 TX→iDEN RX-≥100dB	
VSWR	≤-1.28±0.1@input ports	
Input power	100 W	
Intermodulation	≤-150 dBc(3rd order; with 2×20W)	
Connectors	19 pcs DIN-Female & 2 pcs N-Female	

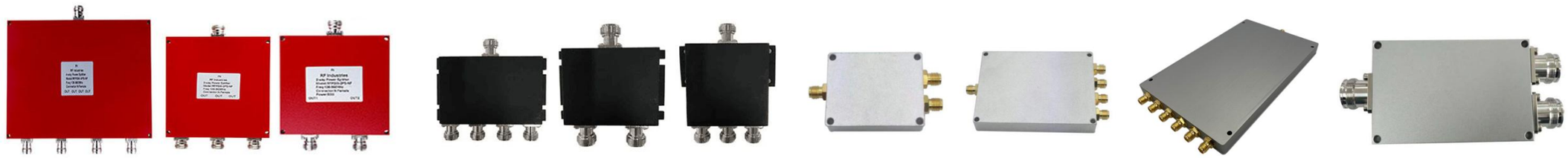
POWER SPLITTER

TELANAR power splitters are designed to evenly divide RF signals into multiple paths without significant loss, ensuring optimal signal distribution in communication systems. They are essential in applications such as distributed antenna systems (DAS), base stations, and indoor signal coverage.

- **High Performance**: Engineered for superior signal distribution with minimal signal loss and high isolation, low VSWR, low PIM.
- **Wide Frequency Range**: Versatile design supporting a broad range of frequencies, ideal for various communication applications.
- **Compact Design**: Space-efficient form factor for easy integration into complex systems.
- **Durable Construction**: Built with high-quality materials to ensure reliability and longevity in demanding environments.
- **Customizable Options**: Available in various configurations and power handling capabilities to meet specific needs.

Reactive Power Splitter	Model	VSWR	Insertion Loss(dB)	Power(W)	PIM(dBc)(@2×43dBm)	Impedance (Ohm)	Connector
Splitters 350-3800 MHz							
2-way Splitter	**TA-PS-02-3538**	≤ 1.25	≤ 3.4	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
3-way Splitter	**TA-PS-03-3538**	≤ 1.25	≤ 5.6	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
4-way Splitter	**TA-PS-04-3538**	≤ 1.25	≤ 6.8	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
Splitters 555-6000 MHz							
2-way Splitter	**TA-PS-02-0560**	≤1.25	≤ 3.4	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
3-way Splitter	**TA-PS-03-0560**	≤1.25	≤ 5.3	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
4-way Splitter	**TA-PS-04-0560**	≤1.25	≤ 7.0	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
Splitters 698-3800 MHz							
2-way Splitter	**TA-PS-02-0638**	≤1.25	≤3.4	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
3-way Splitter	**TA-PS-03-0638**	≤1.25	≤5.4	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
4-way Splitter	**TA-PS-04-0638**	≤1.25	≤6.6	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
Splitters 617-4200 MHz							
2-way Splitter	**TA-PS-02-0642**	≤1.25	≤3.3	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
3-way Splitter	**TA-PS-03-0642**	≤1.25	≤5.3	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
4-way Splitter	**TA-PS-04-0642**	≤1.25	≤6.6	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
Splitters 698-2700 MHz							
2-way Splitter	**TA-PS-02-0627**	≤1.25	≤3.3	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
3-way Splitter	**TA-PS-03-0627**	≤1.25	≤5.2	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
4-way Splitter	**TA-PS-04-0627**	≤1.25	≤6.6	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
Splitters 340-2700 MHz							
2-way Splitter	**TA-PS-02-3427**	≤1.3	≤ 3.4	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
3-way Splitter	**TA-PS-03-3427**	≤1.3	≤5.4	300	-153/-155/-161	50	N/4.3-10/7-16 DIN
4-way Splitter	**TA-PS-04-3427**	≤1.3	≤6.6	300	-153/-155/-161	50	N/4.3-10/7-16 DIN

POWER TAPPER



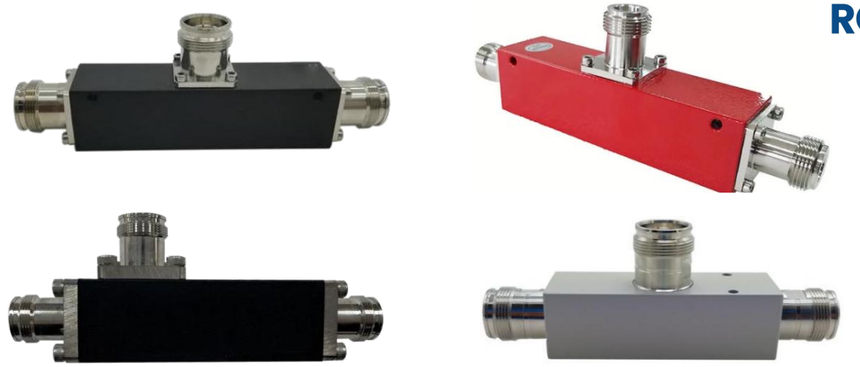
Wilkinson Power Divider	Model	VSWR	Insertion Loss(dB)	Isolation	Power(W)	PIM(dBc)(@2×43dBm)	Impedance (Ohm)	Connector
Low PIM Wilkinson Power Splitter 600-6000 MHz								
2-way	**TA-WPS-02-0660-LP**	≤1.45	≤4.0	≥18	50	-153/-155/-161	50	N/4.3-10/7-16 DIN
3-way	**TA-WPS-03-0660-LP**	≤1.50	≤7.0	≥16	50	-153/-155/-161	50	N/4.3-10/7-16 DIN
4-way	**TA-WPS-04-0660-LP**	≤1.50	≤8.8	≥15	50	-153/-155/-161	50	N/4.3-10/7-16 DIN
Power Splitter 138-960 MHz								
2-way	**TA-PS-02-1396**	≤1.3	≤ 3.8	≥20	50	-153/-155/-161	50	N/4.3-10/7-16 DIN
3-way	**TA-PS-03-1396**	≤1.3	≤ 6.4	≥18	50	-153/-155/-161	50	N/4.3-10/7-16 DIN
4-way	**TA-PS-04-1396**	≤1.35	≤7.8	≥16	50	-153/-155/-161	50	N/4.3-10/7-16 DIN

Wilkinson Power Divider	Model	VSWR	Insertion Loss(dB)	Isolation(dB)	Power(W)	Impedance (Ohm)	Connector
Wilkinson Power Divider 0.5-6 GHz							
2-way	**TA-PD-02-0.5/6**	≤1.3	≤4.5	≥20	50	50	SMA / N
3-way	**TA-PD-03-0.5/6**	≤1.4	≤7.8	≥18	50	50	SMA / N
4-way	**TA-PD-04-0.5/6**	≤1.4	≤8.0	≥18	50	50	SMA / N
6-way	**TA-PD-06-0.5/6**	≤1.4	≤11	≥16	50	50	SMA / N
8-way	**TA-PD-08-0.5/6**	≤1.4	≤11.5	≥16	50	50	SMA / N
Wilkinson Power Divider 698-2700 MHz							
2-way	**TA-PD-02-727**	≤1.3	≤3.5	≥20	50	50	N/4.3-10/7-16 DIN
3-way	**TA-PD-03-727**	≤1.3	≤6.6	≥18	50	50	N/4.3-10/7-16 DIN
4-way	**TA-PD-04-727**	≤1.3	≤8.0	≥18	50	50	N/4.3-10/7-16 DIN
6-way	**TA-PD-06-727**	≤1.35	≦9.5	≥16	50	50	N/4.3-10/7-16 DIN
8-way	**TA-PD-08-727**	≤1.35	≤11.5	≥16	50	50	N/4.3-10/7-16 DIN
Wilkinson Power Divider UHF 350-520MHz							
2-way	**TA-PD-02-UHF**	≤1.25	≤3.5	≥20	50	50	N/4.3-10/7-16 DIN
3-way	**TA-PD-03-UHF**	≤1.25	≤5.5	≥18	50	50	N/4.3-10/7-16 DIN
4-way	**TA-PD-04-UHF**	≤1.25	≤6.5	≥18	50	50	N/4.3-10/7-16 DIN
Wilkinson Power Divider VHF 136-174MHz							
2-way	**TA-PD-02-VHF**	≤1.25	≤3.5	≥20	50	50	N/4.3-10/7-16 DIN
3-way	**TA-PD-03-VHF**	≤1.25	≤5.5	≥18	50	50	N/4.3-10/7-16 DIN
4-way	**TA-PD-04-VHF**	≤1.25	≤6.5	≥18	50	50	N/4.3-10/7-16 DIN

POWER TAPPER

A power tapper is used to split RF signals into multiple paths with specific power levels. It is essential in distributed antenna systems (DAS) and wireless communication networks for efficient signal distribution.

- **Broad Frequency Range:** Operates effectively over a wide frequency spectrum.
- **Low Insertion Loss:** Minimal signal power loss when inserted into the transmission line.
- **High Power Handling:** Capable of managing significant power levels without damage.
- **Stable Performance:** Ensures consistent signal distribution with low variation.
- **Compact Design:** Easy to integrate into various communication systems.



Model	Coupling(dB)	Insertion Loss(dB)	PIM(dBc)	IP	VSWR
Tappers 350-6000MHz					
TA-PT--03-350/6000	3	2.4	-153/-155/-161	IP67	≤1.5
TA-PT--05-350/6000	5	2.2			≤1.5
TA-PT--06-350/6000	6	2.0			≤1.5
TA-PT--08-350/6000	8	1.35			≤1.5
TA-PT--10-350/6000	10	0.95			≤1.3
TA-PT--13-350/6000	13	0.85			≤1.3
TA-PT--15-350/6000	15	0.6			≤1.3
TA-PT--20-350/6000	20	0.5			≤1.3
TA-PT--30-350/6000	30	0.4			≤1.3
Tappers 698-3800MHz					
TA-PT--05-698/3800	5	2.2	-153/-155/-161	IP67	≤1.3
TA-PT--06-698/3800	6	1.7			≤1.3
TA-PT--07-698/3800	7	1.3			≤1.3
TA-PT--08-698/3800	8	0.9			≤1.3
TA-PT--10-698/3800	10	0.8			≤1.3
TA-PT--13-698/3800	13	0.6			≤1.3
TA-PT--15-698/3800	15	0.3			≤1.3
TA-PT--20-698/3800	20	0.3			≤1.3
Power Tappers 380-5850MHz					
TA-PT--03-380/5850	3	2.4	-153/-155/-161	IP67	≤1.5
TA-PT--06-380/5850	6	1.7			≤1.5
TA-PT--07-380/5850	7	1.35			≤1.5
TA-PT--08-380/5850	8	1.25			≤1.5
TA-PT--10-380/5850	10	0.8			≤1.5
TA-PT--13-380/5850	13	0.5			≤1.4
TA-PT--15-380/5850	15	0.4			≤1.4
TA-PT--20-380/5850	20	0.4			≤1.4
TA-PT--30-380/5850	30	0.4			≤1.4

Model	Coupling(dB)	Insertion Loss(dB)	PIM(dBc)	IP	VSWR
Tappers 340-2700MHz					
TA-PT--03-340/2700	3	3.1	-153/-155/-161	IP67	≤1.35
TA-PT--05-340/2700	5	2.5			≤1.35
TA-LPPT--06-340/2700	6	1.75			≤1.35
TA-LPPT--07-340/2700	7	1.45			≤1.35
TA-LPPT--08-340/2700	8	1.4			≤1.35
TA-LPPT--10-340/2700	10	0.8			≤1.3
TA-LPPT--13-340/2700	13	0.8			≤1.3
TA-LPPT--15-340/2700	15	0.45			≤1.3
TA-LPPT--20-340/2700	20	0.4			≤1.3
TA-LPPT--30-340/2700	30	0.35			≤1.3
Tappers 138-960 MHz					
TA-LPPT-03-138/960	3	1.8	-153/-155/-161	IP67	1.4
TA-LPPT-05-138/960	5	1.6			1.4
TA-LPPT-06-138/960	6	1.6			1.4
TA-LPPT-08-138/960	8	0.7			1.4
TA-LPPT-10-138/960	10	0.9			1.25
TA-LPPT-13-138/960	13	0.7			1.25
TA-LPPT-15-138/960	15	0.5			1.25
TA-LPPT-20-138/960	20	0.4			1.25
TA-LPPT-30-138/960	30	0.4			1.25
Tappers 600-6000MHz					
TA-PT-03-600/6000	3	2.35	-153/-155/-161	IP67	≤1.5
TA-PT-05-600/6000	5	2.1			≤1.5
TA-PT-06-600/6000	6	1.6			≤1.5
TA-PT-07-600/6000	7	1.3			≤1.3
TA-PT-08-600/6000	8	1.0			≤1.3
TA-PT-10-600/6000	10	0.7			≤1.3
TA-PT-13-600/6000	13	0.5			≤1.3
TA-PT-15-600/6000	15	0.4			≤1.3
TA-PT-20-600/6000	20	0.2			≤1.25
TA-PT-30-600/6000	30	0.1			≤1.25

DIRECTIONAL COUPLER





A directional coupler is a passive RF device used to split and couple a portion of the signal from a transmission line to a separate output port, while isolating it from the main signal path. It is commonly used in DAS ,IBS, Cellular Networks .

- **Wide Frequency Range:** Designed to operate efficiently across a broad frequency spectrum, accommodating various communication needs.
- **High Directivity & Isolation:** Provides excellent isolation between input and coupled ports, minimizing signal interference.
- **Low Insertion Loss:** Ensures minimal signal loss during transmission, enhancing overall system performance.
- **Compact Design:** Engineered for space-saving installations without compromising performance.
- **Robust Construction:** Built with high-quality materials for durability and reliable operation in demanding

Model	Coupling (dB)	VSWR	Insertion Loss (dB)	Isolation (dB)	Accuracy (dB)	PIM(dBc) (@ 2×43dBm)
Directional Coupler 350-3800 MHz						
TA-DC-3538-XX (XX refers to coupling value)	6	≤ 1.25	≤1.8	≥24	± 1.2	-153/-155/-160
	8		≤11	≥26	± 1.2	
	10		≤0.9	≥28	± 1.2	
	15		≤0.4	≥33	± 1.5	
	20		≤0.2	≥28	± 1.7	
	30		≤0.17	≥48	± 1.8	
Directional Coupler 550-2700 MHz						
TA-DC-5527-XX (XX refers to coupling value)	5	≤ 1.25	≤2.2	≥25	± 0.9	-153/-155/-160
	6		≤1.7	≥26	± 0.9	
	7		≤1.3	≥27	± 0.9	
	10		≤0.8	≥30	± 1.1	
	15		≤0.4	≥35	± 1.5	
	20		≤0.2	≥40	± 1.5	
Directional Coupler 550-6000 MHz						
TA-DC-5560-XX (XX refers to coupling value)	5	≤ 1.3	≤2.2	≥21	± 1.4	-153/-155/-160
	6		≤1.8	≥22	± 1.4	
	8		≤1.1	≥24	± 1.4	
	10		≤0.8	≥26	± 1.6	
	15		≤0.22	≥31	± 1.6	
	20		≤0.2	≥36	± 1.6	

Model	Coupling (dB)	VSWR	Insertion Loss (dB)	Isolation (dB)	Accuracy (dB)	PIM(dBc) (@ 2×43dBm)
Directional Coupler 600-4200 MHz						
TA-DC-0642-XX (XX refers to coupling value)	5	≤ 1.25	≤2.3	≥23	± 1.2	-153/-155/-160
	6		≤1.8	≥24	± 1.2	
	10		≤0.8	≥28	± 1.2	
	15		≤0.6	≥33	± 1.5	
	20		≤0.4	≥38	± 1.7	
	30		≤0.2	≥45	± 1.8	
Directional Coupler 694-3800 MHz						
TA-DC-0638-XX (XX refers to coupling value)	4.8	≤1.3	≤2.2	≥18	+1.2/-0.8	-153/-155/-160
	6		≤1.75	≥18	±1.0	
	7		≤1.4	≥18	±1.0	
	8		≤1.3	≥18	±1.0	
	10		≤1.1	≥18	±1.0	
	13		≤0.7	≥17	±1.0	
	15		≤0.5	≥17	±1.0	
	20		≤0.3	≥15	±1.0	
	30		≤0.3	≥15	±1.0	
Directional Coupler 138-960 MHz						
TA-DC-1396-XX (XX refers to coupling value)	3	≤1.3	≤3.65	≥18	± 1.3	-153/-155/-160
	4.8		≤2.20	≥19	± 1.4	
	6		≤1.75	≥21	± 1.5	
	7		≤1.45	≥22	± 1.7	
	8		≤1.35	≥23	± 1.8	
	10		≤0.9	≥25	± 2.0	
	13		≤0.7	≥28	± 2.0	
	15		≤0.5	≥30	± 2.0	
	20		≤0.4	≥35	± 2.0	

HYBRID COMBINER

Hutsin's hybrid coupler offers precise signal splitting and combining for RF applications. Ideal for use in distributed antenna systems (DAS), signal processing, and other communication applications.

- **Wide Frequency Range:** Suitable for diverse communication needs.
- **Low Insertion Loss:** Minimizes signal attenuation.
- **High Isolation:** Reduces signal interference between ports.
- **Robust Power Handling:** Accommodates high-power signals without damage.

Model	Frequency(MHz)	VSWR	Insertion Loss(dB)	Coupling(dB)	Isolation (dB)	PIM(dBc) (@2×43dBm)
2*1 Hybrid Combiner						
TA-HC-21-0727	698-2700	≤1.3	≤0.5	3	≥23	-153/-155/-160
2*2 Hybrid Combiner						
TA-HC-22-1396	130-960	≤1.3	±1.0	3	≥21	-153/-155/-160
TA-HC-22-3438	340-3800	≤1.25	±1.0	3	≥23	-153/-155/-160
TA-HC-22-3558	350-5850	≤1.3	±1.5	3	≥18	-153/-155/-160
TA-HC-22-0540	555-4000	≤1.25	±1.0	3	≥24	-153/-155/-160
TA-HC-22-0527	550-2700	≤1.25	±0.7	3	≥25	-153/-155/-160
TA-HC-22-3560	350-6000	≤1.35	±2.0	3	≥20	-153/-155/-160
TA-HC-22-5560	550-6000	≤1.3	±1.4	3	≥20	-153/-155/-160
TA-HC-22-0642	600-4200	≤1.2	±1.0	3	≥24	-153/-155/-160
TA-HC-22-0658	616-5850	≤1.3	±1.5	3	≥22	-153/-155/-160
3*3 Hybrid Combiner						
TA-HC-33-3838	380-3800	≤1.3	±2.5	5.1	≥20	-153/-155/-160
TA-HC-33-0660	600-6000	≤1.3	±2.0	5.1	≥18	-153/-155/-160
TA-HC-33-5540	550-4000	≤1.3	±2.0	5.1	≥22	-153/-155/-160
TA-HC-33-0638	698-3800	≤1.3	±1.5	5.1	≥20	-153/-155/-160
4*4 Hybrid Combiner						
TA-HC-44-3527	350-2700	≤1.25	±1.4	6.1	≥22	-153/-155/-160
TA-HC-44-0559	517-5925	≤1.3	±2	6.1	≥18	-153/-155/-160
TA-HC-44-0358	350-5850	≤1.35	±2	6.1	≥18	-153/-155/-160
TA-HC-44-0538	550-3800	≤1.3	±1.6	6.1	≥20	-153/-155/-160
TA-HC-44-0638	698-3800	≤1.3	±1.4	6.1	≥23	-153/-155/-160
TA-HC-44-0642	600-4200	≤1.3	±1.6	6.2	≥20	-153/-155/-160
TA-HC-44-0658	616-5850	≤1.3	±2	6.2	≥20	-153/-155/-160

TERMINATION LOAD

Hutsin's termination load is designed to absorb and dissipate RF power in communication systems, preventing signal reflections and ensuring optimal performance.
Ideal for use in testing, maintenance, and operation of RF systems.

- **High Power Handling:** Capable of withstanding significant power levels.
- **Wide Frequency Range:** Effective across various frequency bands.
- **Low VSWR:** Ensures minimal signal reflection.
- **LOW PIM :** ensuring minimal signal interference and high reliability in communication systems.
- **Durable Design:** Built for reliable performance and longevity.

Model	Frequency (MHz)	VSWR	Power(W)	Connector
TA-TL-3G-XW	DC-3	≤ 1.15	X=2, 5, 10, 20, 25, 30, 50, 100, 200	N/4.3-10/7-16 DIN/SMA
TA-TL-4G-XW	DC-4	≤ 1.20	X=2, 5, 10, 20, 25, 30, 50, 100, 200	N/4.3-10/7-16 DIN/SMA
TA-TL-6G-XW	DC-6	≤ 1.20	X=2, 5, 10, 20, 25, 30, 50, 100, 200	N/4.3-10/7-16 DIN/SMA
TA-TL-18G-XW	DC-18	≤ 1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	N/4.3-10/7-16 DIN/SMA

Model	Frequency (MHz)	VSWR	Power(W)	PIM(dBc)	Connector
TA-TL-0627-XW-LP	698-2700	≤1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	-153/-155/-161	N/4.3-10/7-16 DIN
TA-TL-0638-XW-LP	698-3800	≤1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	-153/-155/-161	N/4.3-10/7-16 DIN
TA-TL-0660-XW-LP	600-6000	≤1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	-153/-155/-161	N/4.3-10/7-16 DIN
TA-TL-3560-XW-LP	350-6000	≤1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	-153/-155/-161	N/4.3-10/7-16 DIN

RF ATTENUATOR

TELANAR Attenuators precisely reduce signal strength to prevent signal distortion and ensure optimal performance in communication systems.They are widely used in RF and microwave applications to ensure signal integrity and improve overall system performance.

- **Wide Frequency Range , Low PIM (Passive Intermodulation)**
- **High Power Handling , Precise Attenuation Control**
- **Low VSWR, Temperature Stability**
- **Durable Construction, Compact Design**

Model (X refers to Power , YY refers to attenuation dB value)	Frequency (GHz)	VSWR	Power(W)	Attenuation(dB)	Attenuation Accuracy(dB)	Connector
TA-ATT-XW-3G-YY	DC-3		X=2, 5, 10, 20, 25, 30, 50, 100, 200	3-60	±0.8(3-10) ±1.0（15-30） ±1.4（40-60）	N/4.3-10/7-16 DIN/SMA
TA-ATT-XW-6G-YY	DC-6		X=2, 5, 10, 20, 25, 30, 50, 100, 200	3-60	±0.8(3-10) ±1.0（15-30） ±1.4（40-60）	N/4.3-10/7-16 DIN/SMA
TA-ATT-XW-8G-YY	DC-8		X=2, 5, 10, 20, 25, 30, 50, 100, 200	3-60	±0.8(3-10) ±1.0（15-30） ±1.4（40-60）	N/4.3-10/7-16 DIN/SMA
TA-ATT-XW-12G-YY	DC-12		X=2, 5, 10, 20, 25, 30, 50, 100, 200	3-60	±0.8(3-10) ±1.0（15-30） ±1.6（40-60）	N/4.3-10/7-16 DIN/SMA
TA-ATT-XW-18G-YY	DC-18		X=2, 5, 10, 20, 25, 30, 50, 100, 200	3-60	±0.8(3-10) ±1.2（15-30） ±1.8（40-60）	N/4.3-10/7-16 DIN/SMA

Model (X refers to Power , YY refers to attenuation dB value)	Frequency (MHz)	VSWR	Power(W)	PIM(dBc)	Attenuation(dB)	Attenuation Accuracy(dB)	Connector
TA-TL-0627-XW-YY-LP	698-2700	≤1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	-153/-155/-161	3-60	±0.8(3-10) ±1.0（15-30） ±1.4（40-60）	N/4.3-10/7-16 DIN
TA-TL-0638-XW-YY-LP	698-3800	≤1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	-153/-155/-161	3-60	±0.8(3-10) ±1.0（15-30） ±1.4（40-60）	N/4.3-10/7-16 DIN
TA-TL-0660-XW-YY-LP	600-6000	≤1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	-153/-155/-161	3-60	±0.8(3-10) ±1.0（15-30） ±1.4（40-60）	N/4.3-10/7-16 DIN
TA-TL-3560-XW-YY-LP	350-6000	≤1.25	X=2, 5, 10, 20, 25, 30, 50, 100, 200	-153/-155/-161	3-60	±0.8(3-10) ±1.0（15-30） ±1.6（40-60）	N/4.3-10/7-16 DIN

TELANAR Repeaters are advanced communication devices designed to amplify and extend signal coverage. They are ideal for enhancing cellular and wireless signals in areas with weak reception. Key features include **high gain, low noise, and multi-band support**, making them suitable for commercial buildings, tunnels, and remote locations.
These repeaters ensure reliable connectivity, improve communication quality, and support various frequencies for different applications.

Suitable for 4G/5G single coverage in residentail and small shops

Features

- Large LCD display；
- ALC,AGC,MGC；
- 5G TDD adaptive baseband synchronization;
- ISO self-excitation elimination;
- UPstream idle shutdown;
- Over-power automatic shutdown;
- UPlink and downlink automatic shutdown;
- Uplink and downlink automatic balance;
- Support Bluetooth connection to TELANAR Helper APP.

C20M 4G/5G Dual Band Micro signal repeater

Model	C20M-BxNx
Frequency Bands	Any one band in 4G band 1,2,3,4,5,7,8,20,28,66 Any one in 5G N41 or N78
Bandwidth	Full Bandwidth in 4G bands and custom bandwidth in 5G bands
Gain(dBi)	UL 70dB , DL 70dB
Output Power	UL 17dBm , DL 17dBm
Gain attenuate	Gain attenuate
ALC Control Range	≥30 dB
VSWR	≤2.0
Spurious Emission	≤-36dBm @ 9KHz~1GHz,≤-30dBm @ 1GHz~12.75GHz
ACRR	Fully comply with 3GPP
EVM	Fully comply with 3GPP
PCDE	Fully comply with 3GPP
Noise Figure	≤8.0dB
Group Delay	≤1us
Power Supply	DC:12V/3A
Dimension(mm)	180*130*45
Weight(kg)	≤1.8

Note:The letter “x” means the 3gpp 4G band number: 1, 2, 3, 4, 5, 7, 8, 20, 25, 28, 66 and 5G bands : 41, 78

Suitable for enhancing 2G3G4G signals in cars and trucks

Features

- ALC, AGC, MGC;
- OLED display;
- ISO self-excitation on elimination on;
- Uplink idle shutdown;
- Over-power automatic shutdown;
- Uplink and downlink automatic balance.

A23 series quad-band car amplifier

Model	A23-4B1 A23-4B2 A23-4B3 A23-4B4 A23-4B5 A23-4B6
Frequency Bands	B 1, 3, 5, 7 B 1, 3, 5, 28 B 1, 3, 5, 28A B 2, 4, 5, 7 B 1, 3, 7, 8 B 1, 3, 7, 20
Gain(dBi)	UL 50dB , DL 50dB
Output Power	UL 23dBm, DL 0dBm
ALC Control Range	≥ 25dB
VSWR	≤ 2.0
Spurious Emission	≤-36 dBm @ 9KHz~1GHz, ≤-30 dBm @ 1GHz~12.75GHz
ACRR	Fully comply with 3GPP
EVM	Fully comply with 3GPP
PCDE	Fully comply with 3GPP
Noise Figure	≤ 8 dB
Group Delay	≤1.5 μs
Power Supply	DC：12V /3A
Dimension(mm)	162*122*34
Weight(kg)	<1

Suitable for indoor and outdoor single coverage of multiple operators at the same time

Features

- Smart OLED display;
- Support 1-3 subbands;
- Suppotr for setting subband bandwith in the range of 0.2-20MHz;
- ALC,AGC, MGC;
- Over-power automatic shutdown;
- UPlink and downlink automatically balanced;
- Support 4G Model wireless access network management cloud platform.

S43T Series Digital Repeater

Model	S43T-Bx S43T-BxBx S43T-BxBxBx
Frequency Bands	Any single band in “x” Any two bands in “x” Any three bands in “x”
Sub-bands	1~3 for each band
Bandwidth	0.2 ~ 20 MHz can by set for each sub-band
Gain(dBi)	UL 90dB, DL 95dB
Output Power	UL -25dBm, DL 43dBm
Gain attenuate	1~31dB, Step of 1dB
ALC Control Range	≥ 30dB
VSWR	≤ 2.0
Spurious Emission	≤-36 dBm @ 9KHz~1GHz, ≤-30 dBm @ 1GHz~12.75GHz
ACRR	Fully comply with 3GPP
EVM	Fully comply with 3GPP
PCDE	Fully comply with 3GPP
Out of band Gain	Fully comply with 3GPP
Noise Figure	≤ 6dB,≤ 8dB,≤ 8dB
Group Delay	≤13 μs
Power Supply	AC 100~264V/50Hz
Dimension(mm)	490*410*190mm 490*410*210mm 698*500*225mm
Weight(kg)	<25kg ;<28kg ;<38kg

Note：The letter "x" means the 3gpp band number: 1, 2, 3, 4, 5, 7, 8, 20, 25, 28, 66

Suitable for solving remote villages and tunnel signal coverage

Features

- Digital filtering;
- Optical fiber transmission distance 15KM;
- Support 1x4x4 networking;
- ALC, AGC, MGC;
- Over-power automatic shutdown;
- Uplink and downlink are automatically balanced;
- Support LAN connection to local OMT monitoring software;
- support 4G Modem wireless connection network
- management platform.Over-power automatic shutdown;
- Uplink and downlink automatically balanced;
- Support 4G Model wireless access network management cloud platform.

O43T Series Fiber Repeater

Model	O43T-Bx O43T-BxBx O43T-BxBxBx
Frequency Bands	Any single band in “x” Any two bands in “x” Any three bands in “x”
Bandwidth	Full Bandwidth
Gain(dBi)	UL 90dB , DL 95dB
Output Power	UL 30dBm, DL 43dBm
Gain attenuate	1~31dB, Step of 1dB
ALC Control Range	≥30dB
VSWR	≤ 2.0
Spurious Emission	≤-36dBm @ 9KHz~1GHz, ≤-30dBm @ 1GHz~12.75GHz
ACRR	Fully comply with 3GPP
EVM	Fully comply with 3GPP
PCDE	Fully comply with 3GPP
Out of band Gain	Fully comply with 3GPP
Noise Figure	≤ 6dB
Group Delay	≤13μs
Optical interface	FC/FC
Power Supply	AC 100~264V/50Hz
MU Dimension(mm)	370*280*140 355*295*180 450*350*190
MU Weight(kg)	<15;<15;<25
RU Dimension(mm)	450*350*190 490*410*210 513*461*187
RU Weight(kg)	<25;<28;<28

Note：The letter "x" means the 3gpp band number: 1, 2, 3, 4, 5, 7, 8, 20, 25, 28, 66

ANTENNAS

- Wideband Omni/Panel /LDPA Antenna, coverage frequency band 380-6000 MHz.
- Typically used indoor distribution of GSM/CDMA WIFI /3G/LTE and 5G service.
- Hign gain , Low return loss , Low PIM ,stable performance.

698-4000MHz Ultra Low Profile Low PIM Ceiling Antenna

Model	Frequency (MHz)	Gain (dBi)	VSWR (dB)	Azimuth beam width	PIM3 (dBc 2*43dBm)
TA-FLATOA-740	698-960	3±0.5	≤1.5	360°	≤-153
	1710-2700	4±1			
	3300-4000	5±1			

617 - 6000MHz Indoor/Outdoor Log periodic Antenna

Model	Frequency (MHz)	Gain (dBi)	VSWR (dB)	Horizontal Beamwidth	Vertical Beamwidth	PIM3 (dBc2*43dBm)
TA-LPA-660	617-960	7.5±1	≤1.8	95±15°	65±15°	⩽-153
	1710-2700	9±1	≤1.6	75±15°	65±15°	
	3300-4000	9±1		75±15°	55±15°	
	4900-6000	7±1		50±20°	55±15°	

350-6000MHz SISO Omnidirectional Ceiling Antenna

Model	Frequency (MHz)	Gain (dBi)	VSWR (dB)	Horizontal Beamwidth	Vertical Beamwidth
TA-FLATOA-3560	350-520	4	≤1.8	360°	120°
	617-960	4	≤1.5		90°
	1695-2700	6			80°
	3300-4200	7			50°
	4800-6000	7			40°

5G Indoor /Outdoor Panel Antenna

Model	Frequency(MHz)	Gain (dBi)	VSWR (dB)	Horizontal Beamwidth	Vertical Beamwidth	PIM3 (dBc2*43dBm)
TA-PA-727	698-960	6.5	⩽1.8	90°	73°	⩽-153
	1710-2700	9	⩽1.5	65°	55°	
TA-PA-738	698--960/1710-2700 /3300-3880MHz	4/5/6	⩽2.0	60°	30°	⩽-153

617-6000MHz MIMO Omnidirectional Ceiling Antenna

Model	Frequency (MHz)	Gain (dBi)	VSWR (dB)	Horizontal Beamwidth	Vertical Beamwidth
TA-OA-660-MIMO	617-960	4	≤1.8	360°	80°
	1710-2700	3			50°
	3300-3800	6			40°
	4900-6000	6			50°

Omni Ceiling Antenna

Model	Frequency(MHz)	Gain (dBi)	VSWR (dB)	Horizontal Beamwidth	Vertical Beamwidth
TA-OA-738	698-960/1710-3800	3/5	⩽1.5	360°	60°
TA-OA-727	698-960/1710-2700	3/5	⩽1.5	360°	60°
TA-OA-760	698-6000	2-5	⩽1.5-1.8	360°	30-95°

CONNECTOR AND CABLE ASSEMBLY

At TELANAR,, we specialize in manufacturing a wide range of connectors and adaptors tailored to meet diverse frequency requirements and stringent performance standards, including low PIM (**Passive Intermodulation**), high stability, good
Our product lineup includes:

Connectors: 4.3-10 ,N , 7/16 DIN , TNC, BNC , SMA , NEX10 .....

Adaptors: We also offer a comprehensive range of adaptors that facilitate seamless interconnections between different connector types, ensuring flexibility and compatibility across various systems.

Jumper cables: TELANAR jumper cables are designed for reliable RF signal transmission and connections in communication systems. These cables offer low loss and high performance across a wide frequency range.
1/2'', 1/2''superflex, 1/4'', 3/8'', 7/8'' RF Feeder Cable ,RG , LMR series....

Electrical Performance	
Characteristic Impedance	50 ohm
Frequency Range(GHz)	DC-3/DC-6/DC-12/DC-18
VSWR	≤1.10
PIM3(dBc@2×20W)	≤-150/155/160/165
Dielectric Withstanding Voltage	≥2500V RMS,50Hz,at sea level
Dielectric Resistance	≥5000MΩ
Contact Resistance	Center Cc Outer Contact ≤1.0mΩ
Durability	Mating cycles ≥500
Material and plating	
Body	Brass, Tri-Alloy plating
Insulator	PTFE, NATURAL
Contact PIN	Phosphor Bronze,Ag plating
Environmental	
Temperature Range	-40℃～+85℃
Waterproof(1m water depth, 24hours)	IP68
RoHS	Full RoHS-Compliance

LOW PIM NEX10 CONNECTOR & ADAPTOR


Din-Male-RA


N-Female


M-Male


N-Male


N-Male-RA


M-Female


D-Femal


D-Male


N-Male


For 7/8" cable


For 1/2" cable


For 1/2"SF cable


NM-NM


MF-MF


NM-NF-RA


NF-NF


MM-DF


MF-DM


NM-NM-RA


SMAM-NF


SMAF-NM

RF Feeder Cable

Features

RF feeder cable: 3/8", 1/2"s, 1/2", 7/8", 1-1/4", 1-5/8"...

Diversification of sizes：

Common Feeder

Super Flexible Feeder

Low Loss Feeder

Over Jacket Material ：

Anti-UV Protection-**PE ,LSZH**

Clamp Bracket

Features

Compact structure, strong clamping force

Convenient installation and operation

Strong chemical resistance

UV resistance ,Corrosion Resistant

Secure Hold , High Durability

Grounding Kit

Features

Effective Grounding

Durable Construction

Easy Installation

Versatile Compatibility

Enhanced Safety

Corrosion Resistance

Weatherproof Kit

Features

Durable Construction

Waterproof Seal

UV Resistant

Temperature Tolerant

Easy Installation

ROTEX
TELECOMMUNICATIONS
SUPPLY