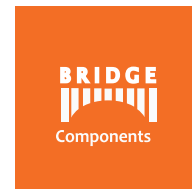




# BRIDGE

## PASSIVE SOLUTION

### PRODUCT SELECTION GUIDE.



# PASSIVE SOLUTION SELECTION GUIDE

The Bridge Component Product Selection Guide is designed to help engineers and system designers quickly identify the right solutions for their applications. **Bridge Components' comprehensive portfolio of high-performance products, clearly organized to simplify comparison and selection.**



**High-quality products from  
Bridge Components.**

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# COMBINERS



The BRIDGE Multi-Band Combiner is designed to efficiently combine two or more signals from different systems and deliver them through a common output port.

The BRIDGE combiner integrates multiple advanced technologies to achieve low PIM performance, high isolation, and excellent overall electrical characteristics. Pure silver plating is ensured throughout the manufacturing process to maintain superior conductivity and reliability.

In terms of material selection, BRIDGE products are manufactured using high-quality, robust materials, ensuring stable performance, durability, and a long service life.

## DIPLEXER

PN Series	f (MHz)	PIM (dBc)	Connector	Unit	Usage
10-D02A3-IS3	1710-1880 1920-2170	-150	N Female	Single	Indoor
10-D02A3-OS1	1710-1880 1920-2170	-150	N Female	Single	Indoor & Outdoor
10-D02X3-OT1	1710-1880 1920-2170	-150	4.3-10, DIN Female	Twin	Indoor & Outdoor
10-D21X4-OT1	1710-2200 2300-2690	-153	4.3-10, DIN Female	Twin	Indoor & Outdoor
10-D46A5-OS1	698-2700 3300-3800	-155	N Female	Single	Indoor & Outdoor
10-D46EX-OS1	698-2700 3300-3800	-155, -160	4.3-10 Female	Single	Indoor & Outdoor
10-D62A3-OT1	1710-1880 1920-2690	-150	N Female	Twin	Indoor & Outdoor
10-D66E7-OX1	380-2170 2300-2700	-160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-D75E5-OX1	380-2200 2300-2700	-155	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-D79E7-OX	380-960 1425-2690	-160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-D80E7-OX1	698-2170 & 2500-2700 2300-2400	-160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-D81GN-IS	5150-5350 5725-5850		SMA Female	Single	Indoor
10-D83EX-OX1	698-2170 2300-3800	-150, -155, -160	4.3-10 Female	Single or Twin	Indoor & Outdoor

## TRIPLEXER

PN Series	$f$ (MHz)	PIM (dBc)	Connector	Unit	Usage
10-T12EX-OX1	698-960 1710-2170 2300-2700	-150, -155, -160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-T19EX-OX1	1710-1880 1920-2170 2300-2690	-150, -153, -155, -160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-T21EX-OX1	690-862 880-960 1710-2690	-150, -155, -160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-T31E7-OX1	1710-1880 1920-2170 2300-2690	-160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-T33CX-OX1	380-960 1695-2200 2300-2700	-150, -155, -160	DIN Female	Single or Twin	Indoor & Outdoor

## QUADPLEXER

PN Series	$f$ (MHz)	PIM (dBc)	Connector	Unit	Usage
10-Q15EX-OX	698-960 1710-1880 1920-2170 2300-2700	-150, -155, -160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-Q28A3-IS-RA	1710-1880 1920-2170 2500-2690 3700-3900	-150	N Female	Single	Indoor (Rack)
10-Q41GN-IS1	850-950 2400-2500 5100-5350 5600-6000		SMA Female	Single	Indoor
10-Q42C5-IS1	703-803 880-960 1710-1880 1920-2170	-155	DIN Female	Single	Indoor

## PENTAPLEXER

PN Series	f (MHz)	PIM (dBc)	Connector	Unit	Usage
10-P06E5-OS1	698-960 1710-1880 1920-2170 2300-2700 3300-3800	-155	4.3-10 Female	Single	Indoor & Outdoor
10-P12XX-OX1	698-960 1350-1525 & 1695-1880 1920-2200 2300-2700 3300-3800	-150, -155, -160	4.3-10 Female DIN Female	Single or Twin	Indoor & Outdoor
10-P13A4-IS3	1710-1825 1750-1880 1920-2125 1965-2170 3800-3900	-153	N Female	Single	Indoor
10-P14XX-OX1	690-862 880-960 1710-1880 1920-2170 2300-2700	-150, -155, -160	4.3-10 Female DIN Female	Single or Twin	Indoor & Outdoor

## HEXAPLEXER

PN Series	f (MHz)	PIM (dBc)	Connector	Unit	Usage
10-HEX02EX-OX1	690-803 824-894 1710-1880 1920-2170 2300-2400 2500-2700	-150, -155, -160	4.3-10 Female	Single or Twin	Indoor & Outdoor
10-HEX07E7-OX1	698-862 880-960 1710-1880 1920-2170 2300-2700 3300-3800	-160	4.3-10 Female	Single or Twin	Indoor & Outdoor

# DIRECTIONAL COUPLERS



The BRIDGE Directional Coupler is designed to split RF signals according to specified power ratios, providing unequal power distribution. It also functions as a directional signal transmission component and is widely used in indoor coverage systems to distribute RF power to multiple antenna points. The product offers a range of coupling values and features low insertion loss on the through port.

Utilizing advanced wideband technology, the BRIDGE Directional Coupler supports a broad operating frequency range. Its low PIM performance, achieved through full plating technology, effectively meets the requirements of high-speed data transmission. The product is fully compatible with 2G, 3G, 4G, and 5G network systems.

In terms of material selection, all BRIDGE products are manufactured using high-quality, durable materials to ensure stable performance and extended service life.

## DIRECTIONAL COUPLERS

PN Series	f (MHz)	Coupling Loss (dB)	PIM (dBc)	Connector	Usage
13-UEAXXX-O1	698-2700	5, 6, 7, 8, 10, 13,15, 20, 25, 30, 40	-150, -155, -160	N Female	Indoor & Outdoor
13-UFCEXXX-O1	698-3800	5, 6, 7, 8, 10, 13, 15, 20, 30, 40	-150, -155, -160	4.3-10 Female	Indoor & Outdoor
13-UCDAXXX-O1	698-4200	5, 6, 7, 8, 10, 13, 15, 20, 30, 35	-150, -155, -160	N Female	Indoor & Outdoor
13-UCDEXXX-O1	698-4200	5, 6, 7, 8, 10, 12, 13, 15, 20, 30, 35	-150, -155, -160	4.3-10 Female	Indoor & Outdoor

# SPLITTERS



BRIDGE Cavity Splitter is the product to split power by equal ways, usually including 2, 3, and 4 ways. High power handling is one of the cavity splitter features. This product is widely used in indoor signal coverage to distribute the power to antenna points.

BRIDGE Cavity Splitter adopts advanced wide band technologies to cover operation frequency range. Its PIM value reaches -160dBc by the Low PIM and fully plating technologies, rather good to fulfill the demands of high data transmission rate, broadly deployed with 2G, 3G, 4G, 5G networks.

In terms of material selection, all BRIDGE products are manufactured using high-quality, durable materials to ensure stable performance and extended service life.

## SPLITTERS

PN Series	f (MHz)	Splits	PIM (dBc)	Connector	Type	Power Rating	Usage
15-UEAE44S-O1Z	698-2700	4	-153	4.3-10 Female	Square	300W	Indoor & Outdoor
15-UEAE42R-O1B	698-2700	2	-153	4.3-10 Female	Round	200W	Indoor & Outdoor
15-UEAAXXS-O1	698-2700	2, 3, 4	-150, -155, -160	N Female	Square	300W	Indoor & Outdoor
15-UEAAXXR-O1	698-2700	2, 3, 4	-150, -155, -160	N Female	Round	300W	Indoor & Outdoor
15-UFCAXXS-O1	698-3800	2, 3, 4	-150, -155, -160	N Female	Square	300W	Indoor & Outdoor
15-UFCCXXS-O1	698-3800	2, 3, 4	-150, -155, -160	DIN Female	Square	500W	Indoor & Outdoor
15-UFCEXXS-O1	698-3800	2, 3, 4	-150, -155, -160	4.3-10 Female	Square	500W	Indoor & Outdoor
15-UCDAXXS-O1	698-4200	2, 3, 4	-150, -155, -160	N Female	Square	300W	Indoor & Outdoor
15-UCDCXXS-O1	698-4200	2, 3, 4	-150, -155, -160	DIN Female	Square	500W	Indoor & Outdoor
15-UCDEXXS-O1	698-4200	2, 3, 4	-150, -155, -160	4.3-10 Female	Square	500W	Indoor & Outdoor

# ATTENUATOR



Bridge Attenuator covers the operation frequency range for full protection. This design is suitable for any indoor signal or outdoor attenuation or load protection applications. The device, minimizing reflection or loss, is highly reliable and easy to install.

In terms of material selection, all BRIDGE products are manufactured using high-quality, durable materials to ensure stable performance and extended service life.

## ATTENUATORS

PN Series	f (MHz)	Attenuation Value (dB)	PIM (dBc)	Connector	Power Rating	Usage
17-UCDXXH7XX-O1	698-4200	3, 5, 6, 10, 15, 20, 30	-160	N, 4.3-10, DIN Female to Female	100W	Indoor & Outdoor
17-UCDXXH7XX-O1	698-4200	3, 5, 6, 10, 15, 20, 30	-160	N, 4.3-10, DIN Female to Male	100W	Indoor & Outdoor
17-UCDXXJ7XX-O1	698-4200	3, 5, 6, 10, 15, 20, 30	-160	N, 4.3-10, DIN Female to Male	200W	Indoor & Outdoor
17-HEBXXGAXX-I1	DC-3000	3, 6, 10, 15, 20, 30, 40		N, 4.3-10, DIN Male to Female	50W	Indoor
17-HFBXXCAXX-I1	DC-4000	3, 6, 10, 15, 20, 30, 40		N, 4.3-10, DIN Male to Female	5W	Indoor
17-HFBXXGAXX-I1	DC-4000	3, 6, 10, 15, 20, 30, 40		N, 4.3-10, DIN Male to Female	50W	Indoor
17-HFBXXGN30-I1	DC-4000	30		4.3-10, N Male to Male Male to Female Female to Male Female to Female	50W	Indoor
17-HCAGJCN20-I1	DC-6000	20		SMA, TNC Female to Male	5W	Indoor
17-HCAGJDN20-I1	DC-6000	20		SMA, TNC Female to Male	10W	Indoor
17-HCAXXDXXX-I1	DC-6000	3, 6, 10, 15, 20, 30, 40		4.3-10, DIN Male to Female	10W	Indoor
17-HCAXXFAXX-I1	DC-6000	3, 6, 10, 15, 20, 30, 40		N, 4.3-10, DIN Male to Female	25W	Indoor

PN Series	f (MHz)	Attenuation Value (dB)	PIM (dBc)	Connector	Power Rating	Usage
17-HCAXXGAXX-I1	DC-6000	3, 6, 10, 15, 20, 30, 40	/	N, 4.3-10, DIN Male to Female	50W	Indoor
17-HCAXXHAXX-I1	DC-6000	3, 6, 10, 15, 20, 30, 40	/	N, 4.3-10, DIN Male to Female	100W	Indoor
17-HCAXXHNXX-O1	DC-6000	3, 6, 10, 15, 20, 30, 40	/	N, 4.3-10, DIN Male to Female	100W	Indoor & Outdoor
17-HCAXXJNXX-O1	DC-6000	3, 6, 10, 15, 20, 30, 40	/	N, 4.3-10, DIN Male to Female	200W	Indoor & Outdoor
17-HCAXXKN30-O1	DC-6000	30	/	N, 4.3-10, DIN Male to Female	250W	Indoor & Outdoor
17-HXBGHBNXX-I1-U	DC-18000	1, 2, 3, 5, 6, 7, 8, 9, 10, 15, 20, 30, 40, 50, 60	/	SMA Male to Female	2W	Indoor
17-HXBXXIN40-I1-WT	DC-18000	40	/	N, 4.3-10 Male to Female	150W	Indoor

# RF LOAD



BRIDGE RF Load or Terminal is matched to 50Ω characteristic impedance. It is designed to absorb all the incident power with very little reflection, effectively terminating the line or port in its impedance, widely adopted to connect with unused RF port of any RF products.

BRIDGE RF Load or Terminal utilizes advanced wide band technologies to cover the wide band signals of the operation frequency ranges.

In terms of material selection, all BRIDGE products are manufactured using high-quality, durable materials to ensure stable performance and extended service life.

## RF LOAD

PN Series	f (MHz)	Power Rating (W)	PIM (dBc)	Connector	Usage
18-UEAX3X-O1	698-2700	25, 50, 100, 200	-150	N, 4.3-10, DIN, Male and Female	Indoor & Outdoor
18-HEB15NC-I1	DC-3000	5		BNC Male	Indoor
18-HXFX3-O1	DC-5000	25, 50, 100, 200	-150	N, 4.3-10, DIN Male and Female	Indoor & Outdoor
18-HCAHND-I1	DC-6000	10		SMA Male	Indoor
18-HCAX5X-O1	DC-6000	25, 50, 100, 200	-155	N, 4.3-10, DIN Male and Female	Indoor & Outdoor
18-HCAX7X-O1	DC-6000	25, 50, 100, 200	-160	N, 4.3-10, DIN Male and Female	Indoor & Outdoor
18-HCAXNB-O1	DC-6000	2		SMA Male and Female	Indoor & Outdoor
18-HCAXNX-O1	DC-6000	100, 200		N, 4.3-10, DIN Male and Female	Indoor & Outdoor

# DAS ANTENNA



BRIDGE Antenna is specifically designed for DAS, IBS, or BTS systems, which means no dead space was allowed in an empty room or target areas. The application includes 2G, 3G, 4G, 5G, VHF, UHF, Tetra, IoT, Military spectrum allocation in different frequency systems, and re-farming systems.

BRIDGE Antenna adopts advanced wide band technologies to cover signals of operation frequency ranges, and takes high quality radome materials to achieve ruggedized protection to its elements inside. The dual waterproof processed technologies make good sealed effect and fully suitable in certain other outdoor circumstance.

In terms of material selection, all BRIDGE products are manufactured using high-quality, durable materials to ensure stable performance and extended service life.

## DAS ANTENNA

PN Series	f (MHz)	Beamwidth-H	Max Gain (dBi)	PIM (dBc)	SISO/MIMO	Connector	Usage
21-DUEAANM6-S2	698-2700	360°	6	/	MIMO	N Female	Indoor & Outdoor
21-DUEAANS10-S1	698-2700	360°	10	/	SISO	N Female	Indoor & Outdoor
21-OUEAXNS5-E2	698-2700	360°	5	/	SISO	N, 4.3-10 Female	Indoor
21-OUEAHNS6-S1A5	698-2700	360°	6	/	SISO	SMA Male	Indoor
21-PUEAANM10-S1G	698-2700	65° ±8°	10	/	MIMO	N Female	Indoor & Outdoor
21-PUEAANS8-E1	698-2700	85 ±15°	8	/	SISO	N Female	Indoor
21-PUEAG2S8-MW1X	698-2700	115 ±15°	8	/	SISO	SMA Female	Indoor
21-PUEAXXS8-D1	698-2700	90 ±15°	9	-140, -150, -153	SISO	N, 4.3-10 Female	Indoor
21-YUEAANS11-S1	698-2700	70° ±12°	11	/	SISO	N Female	Indoor & Outdoor

PN Series	f (MHz)	Beamwidth-H	Max Gain (dBi)	PIM (dBc)	SISO/MIMO	Connector	Usage
21-OUFCX3S-5	698-3800	360°	4	-150	SISO	N, 4.3-10 Female	Indoor
21-OUFCX4F5-D1	698-3800	360°	4.5	-153	MIMO 4x4	4x N, 4.3-10 Female	Indoor
21-PUFCCNM9-D1X	698-3800	90°	9		MIMO	2x DIN Female	Indoor & Outdoor
21-PUFCX4F9-D1	698-3800	85-130°	9	-153	MIMO 4x4	4x N, 4.3-10 Female	Indoor
21-PUFCXXS8-D1	698-3800	100°	8	-150, -153	SISO	N, 4.3-10 Female	Indoor
21-Y2UFCX3S6-D1G	698-3800	90° ±10° Bidirectional	6	-150	SISO	N, 4.3-10 Female	Indoor
21-OUFEA3S4-D1	698-4000	360°	4	-150	SISO	N Female	Indoor
21-OUFEXXM6-D1	698-4000	360°	5.5	-150, -153	MIMO	2x N, 4.3-10 Female	Indoor
21-PUFEX3F9-D2	698-4000	85-130°	9	-150	MIMO 4x4	N, 4.3-10 Female	Indoor & Outdoor
21-PUFEXXM9-D1	698-4000	90°	9	-140, -150, -153	MIMO	2x N, 4.3-10 Female	Indoor
21-YUFEX3S12-D1	698-4000	90°	12	-150	SISO	N, 4.3-10 Female	Indoor & Outdoor
21-OUCPXNS4-B1	698-5800	360°	4		SISO	N, SMA Male or Female	Indoor
21-PLEDE2M11-N1C	1710-2690	65° ±10°	11	-140	MIMO	2x 4.3-10 Female	Indoor & Outdoor
21-OCCGANS8-J1	4400-5000	360°	8		SISO	N Female	Indoor & Outdoor
21-PCCGANF15-J1	4400-5000	35° ±5°	15		MIMO	4x N Female	Indoor & Outdoor



# CONTACT

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