



# Passive Components

Splitters • Tappers • Couplers • Attenuators • Loads

Interconnect Solutions for a Connected World™

# Passive Components

Evolving technology and an ever-increasing demand for wireless services continue to stretch the limits of our existing macro networks. The need for increased indoor wireless coverage is greater than ever before and as technologies and wireless applications continue to evolve, the demand will only increase.

The RF Industries family of Passive Components help network designers face the challenges of improving capacity and coverage both indoors and at stadium and large outdoor venues where wireless overloading is problematic. Our passive components feature high-quality materials, support multiple frequency bands and come in a variety of connector options providing you with reliable, safe and compliant network performance.

## Types of Passive Components

**Which Passive Components do I Need?** Choosing the right passive component can be challenging. Our passives are designed to provide maximum flexibility and optimum electrical performance.

**Power Splitters** – The most basic type of RF passive device is a splitter. It evenly splits RF input signals between two or more ports with minimal reflections or loss. These are typically used to split the power signal from the BDA (Bi-Directional Amplifier) to 2 or more antennas. The power splitter will require an input RF cable assembly from the BDA to the input port of the splitter and then additional RF cable assemblies from the output ports of the splitter to the antennas.

**What is the difference between a Wilkinson Splitter and a Reactive Splitter?** In general, there are two types of splitters, Wilkinson and Reactive. Wilkinson splitters are low power (50 watts) and more compact, making them ideal for use inside junction boxes. Wilkinson splitters can be used as a combiner and they offer higher port isolation. Reactive splitters are typically higher power (300 – 500 watts) and have a lower insertion loss than Wilkinson splitters.

**Hybrid Couplers/Combiners** – Are used to combine multiple input signals onto multiple output signals. A typical use for a hybrid coupler is to combine signals coming from two BDAs and feed them to 2 antenna systems. Half of the input power RF cable assemblies would be required to connect the Hybrid Couplers input and output ports. A termination load matching the impedance (50 Ohm) will be required on any unused output port.

**Directional Couplers** – Unevenly splits the RF signal between the input port and the coupled port. Couplers would be used when you need to reduce the input signal to the coupled port for connecting an antenna. For example, on a 6dB coupler if the input signal was 0dBm the signal coming out of the coupled port would be -6 dBm. The signal transmitted out of the through port would also be reduced slightly, dependent on the insertion loss, as it is sent on to the next component. Couplers are designed to work in one direction, if connected incorrectly, the coupled signal is greatly reduced in the reverse direction.

**Power Tappers** – Very similar to directional couplers but have a lower insertion loss and slightly higher VSWR. Can be used in the reverse direction and is rated slightly different than a Directional Coupler. Whereas a coupler is rated based on the power ratio between the input port and the coupled port, a tapper is rated on the power ratio between the through (output port) and the coupled port.

**Attenuators** – reduce the power level of the incoming signal. Antennas or other components within the RF system may be rated at a power level that is lower than the incoming signal. You would use an appropriately rated attenuator to reduce the signal to a level that is safe for the component being connected to the network.

**Loads** – Loads are used to terminate unused (open) RF ports. The load should match the line impedance (50 Ohms) and be rated for the power level of the signal output port.

## iBwave – Design Support

**Using iBwave to design your DAS systems?** We are in there. With over 1500 products listed in iBwave, our list of passive components supporting carrier, enterprise, and public safety networks grows each day. We continue to add new products to our offering to keep up with industry demand and the changes in technology and network design.




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# Attenuators

Attenuators	Part Number	Attenuation (dB)	Frequency Range	VSWR	Power Rating
5 Watt 4.3-10 Male to 4.3-10 Female DC-6GHZ 	RF-ATN-43MF-5W3	-3dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W4	-4dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W5	-5dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W6	-6dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W7	-7dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W8	-8dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W9	-9dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W10	-10dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W11	-11dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W12	-12dB	DC-6GHZ	≤1.25	5 Watt
	RF-ATN-43MF-5W13	-13dB	DC-6GHZ	≤1.25	5 Watt
Low PIM Attenuators	Part Number	Attenuation (dB)	Frequency Range	VSWR	Power Rating
5 Watt 4.3-10 Male to 4.3-10 Female Low PIM ≤-155dBc 617-2700MHZ 	RF-ATNLP-43MF-5W3	-3dB	617-2700MHZ	≤1.30	5 Watt
	RF-ATNLP-43MF-5W5	-5dB	617-2700MHZ	≤1.30	5 Watt
	RF-ATNLP-43MF-5W8	-8dB	617-2700MHZ	≤1.30	5 Watt
	RF-ATNLP-43MF-5W10	-9dB	617-2700MHZ	≤1.30	5 Watt
	RF-ATNLP-43MF-5W20	-20dB	617-2700MHZ	≤1.30	5 Watt
Attenuators	Part Number	Attenuation (dB)	Frequency Range	VSWR	Power Rating
5 Watt N Male to N Female DC-3GHZ 	RF-ATN-NMF-5W2	-2dB	DC-3GHZ	≤1.2:1	5 Watt
	RF-ATN-NMF-5W3	-3dB	DC-3GHZ	≤1.2:1	5 Watt
	RF-ATN-NMF-5W6	-6dB	DC-3GHZ	≤1.2:1	5 Watt
	RF-ATN-NMF-5W10	-10dB	DC-3GHZ	≤1.2:1	5 Watt
	RF-ATN-NMF-5W20	-20dB	DC-3GHZ	≤1.2:1	5 Watt
Attenuators	Part Number	Attenuation (dB)	Frequency Range	VSWR	Power Rating
5 Watt N Male to N Female 4GHZ	RF-ATN-NMF-5W10-T	-10dB	4GHZ	≤1.25	5 Watt
	RF-ATN-NMF-5W30-T	-30dB	4GHZ	≤1.25	5 Watt

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# Attenuators

Attenuators	Part Number	Attenuation (dB)	Frequency Range	VSWR	Power Rating
5 Watt SMA Male to SMA Female DC-3GHZ 	RF-ATN-SMF-5W3	-3dB	DC-3GHZ	≤1.20	5 Watt
	RF-ATN-SMF-5W10	-10dB	DC-3GHZ	≤1.20	5 Watt
	RF-ATN-SMF-5W20	-20dB	DC-3GHZ	≤1.20	5 Watt
Attenuators	Part Number	Attenuation (dB)	Frequency Range	VSWR	Power Rating
10 Watt N Male to N Female DC-3GHZ	RF-ATN-NMF-10W3	-3dB	DC-3GHZ	≤1.25	10 Watt
	RF-ATN-NMF-10W30	-10dB	DC-3GHZ	≤1.25	10 Watt
Attenuators	Part Number	Attenuation (dB)	Frequency Range	VSWR	Power Rating
20 Watt 4.3-10 Male to 4.3-10 Female DC-3GHZ	RF-ATN-43MF-20W3	-3dB	DC-3GHZ	≤1.25:1	20 Watt
	RF-ATN-43MF-20W6	-6dB	DC-3GHZ	≤1.25:1	20 Watt
	RF-ATN-43MF-20W10	-10dB	DC-3GHZ	≤1.25:1	20 Watt
	RF-ATN-43MF-20W20	-20dB	DC-3GHZ	≤1.25:1	20 Watt
	RF-ATN-43MF-20W30	-30dB	DC-3GHZ	≤1.25:1	20 Watt
Attenuators	Part Number	Attenuation (dB)	Frequency Range	VSWR	Power Rating
50 Watt N Male to N Female DC-3GHZ	RF-ATN-NMF-50W6	-6dB	DC-3GHZ	≤1.20:1	50 Watt

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# Directional Coupler

Directional Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
138-960MHz Public Safety N Female 	RFDC-3DBPS-NF	-3dB	138-960MHz	≤1.30	200 Watt
	RFDC-4.8DBPS-NF	-4.8dB	138-960MHz	≤1.30	200 Watt
	RFDC-6DBPS-NF	-6dB	138-960MHz	≤1.30	200 Watt
	RFDC-7DBPS-NF	-7dB	138-960MHz	≤1.30	200 Watt
	RFDC-8DBPS-NF	-8dB	138-960MHz	≤1.30	200 Watt
	RFDC-10DBPS-NF	-10dB	138-960MHz	≤1.30	200 Watt
	RFDC-13DBPS-NF	-10dB	138-960MHz	≤1.30	200 Watt
	RFDC-15DBPS-NF	-15dB	138-960MHz	≤1.30	200 Watt
	RFDC-20DBPS-NF	-20dB	138-960MHz	≤1.30	200 Watt
Directional Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
380-2700 MHz 4.3-10 Female 3rd Order Intermodulation ≤-155 dBc 	RFDC-4.8DBA-43F	-4.8dB	380-2700MHz	≤1.35	300 Watt
	RFDC-6DBA-43F	-6dB	380-2700MHz	≤1.35	300 Watt
	RFDC-8DBA-43F	-8dB	380-2700MHz	≤1.35	300 Watt
	RFDC-10DBA-43F	-10dB	380-2700MHz	≤1.35	300 Watt
	RFDC-13DBA-43F	-13dB	380-2700MHz	≤1.35	300 Watt
	RFDC-15DBA-43F	-15dB	380-2700MHz	≤1.35	300 Watt
	RFDC-20DBA-43F	-20dB	380-2700MHz	≤1.35	300 Watt
Directional Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
380-2700 MHz 7-16 DIN Female 3rd Order Intermodulation ≤-155 dBc 	RFDC-4.8DBA-DF	-4.8dB	380-2700MHz	≤1.25	500 Watt
	RFDC-6DBA-DF	-6dB	380-2700MHz	≤1.25	500 Watt
	RFDC-8DBA-DF	-8dB	380-2700MHz	≤1.25	500 Watt
	RFDC-10DBA-DF	-10dB	380-2700MHz	≤1.25	500 Watt
	RFDC-13DBA-DF	-13dB	380-2700MHz	≤1.25	500 Watt
	RFDC-15DBA-DF	-15dB	380-2700MHz	≤1.25	500 Watt
Directional Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
380-2700 MHz N Female 3rd Order Intermodulation ≤-155 dBc 	RFDC-3DBA-NF	-3dB	380-2700MHz	≤1.25	300 Watt
	RFDC-4.8DBA-NF	-4.8dB	380-2700MHz	≤1.30	300 Watt
	RFDC-6DBA-NF	-6dB	380-2700MHz	≤1.30	300 Watt
	RFDC-7DBA-NF	-7dB	380-2700MHz	≤1.30	300 Watt
	RFDC-8DBA-NF	-8dB	380-2700MHz	≤1.25	300 Watt
	RFDC-10DBA-NF	-10dB	380-2700MHz	≤1.30	300 Watt
	RFDC-13DBA-NF	-13dB	380-2700MHz	≤1.25	300 Watt
	RFDC-15DBA-NF	-15dB	380-2700MHz	≤1.25	300 Watt
	RFDC-20DBA-NF	-20dB	380-2700MHz	≤1.30	300 Watt
RFDC-30DBA-NF	-30dB	380-2700MHz	≤1.30	300 Watt	

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# Directional Coupler

Directional Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power	
555-6000MHz 4.3-10 Female 3rd Order Intermodulation $\leq$ -160 dBc	RFDC-6DBU-43F	-6dB	555-6000MHz	$\leq$ 1.25	200 Watt	
	RFDC-8DBU-43F	-8dB	555-6000MHz	$\leq$ 1.25	200 Watt	
	RFDC-10DBU-43F	-10dB	555-6000MHz	$\leq$ 1.25	200 Watt	
	RFDC-13DBU-43F	-13dB	555-6000MHz	$\leq$ 1.25	200 Watt	
	RFDC-15DBU-43F	-15dB	555-6000MHz	$\leq$ 1.25	200 Watt	
	RFDC-20DBU-43F	-20dB	555-6000MHz	$\leq$ 1.25	200 Watt	
Directional Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power	
698-2700MHz 4.3-10 Female 3rd Order Intermodulation $\leq$ -155 dBc	RFDC-3DBC-43F	-3dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	RFDC-4.8DBC-43F	-4.8dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	RFDC-6DBC-43F	-6dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	RFDC-7DBC-43F	-7dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	RFDC-8DBC-43F	-8dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	RFDC-10DBC-43F	-10dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	RFDC-13DBC-43F	-13dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	RFDC-15DBC-43F	-15dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	RFDC-20DBC-43F	-20dB	698-2700MHz	$\leq$ 1.25	300 Watt	
	Directional Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
	698-2700MHz 7-16 DIN Female 3rd Order Intermodulation $\leq$ -155 dBc	RFDC-4.8DBC-DF	-4.8dB	698-2700MHz	$\leq$ 1.20	200 Watt
		RFDC-6DBC-DF	-6dB	698-2700MHz	$\leq$ 1.20	200 Watt
		RFDC-8DBC-DF	-8dB	698-2700MHz	$\leq$ 1.20	200 Watt
		RFDC-10DBC-DF	-10dB	698-2700MHz	$\leq$ 1.20	200 Watt
		RFDC-13DBC-DF	-13dB	698-2700MHz	$\leq$ 1.20	200 Watt
		RFDC-15DBC-DF	-15dB	698-2700MHz	$\leq$ 1.20	200 Watt
	Directional Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
	698-2700MHz N Female 3rd Order Intermodulation $\leq$ -155 dBc	RFDC-3DBC-NF	-3dB	698-2700MHz	$\leq$ 1.25	300 Watt
		RFDC-4.8DBC-NF	-4.8dB	698-2700MHz	$\leq$ 1.25	300 Watt
		RFDC-6DBC-NF	-6dB	698-2700MHz	$\leq$ 1.25	300 Watt
		RFDC-7DBC-NF	-7dB	698-2700MHz	$\leq$ 1.20	200 Watt
		RFDC-8DBC-NF	-8dB	698-2700MHz	$\leq$ 1.25	300 Watt
		RFDC-10DBC-NF	-10dB	698-2700MHz	$\leq$ 1.25	300 Watt
		RFDC-13DBC-NF	-13dB	698-2700MHz	$\leq$ 1.25	300 Watt
		RFDC-15DBC-NF	-15dB	698-2700MHz	$\leq$ 1.25	300 Watt
RFDC-20DBC-NF	-20dB	698-2700MHz	$\leq$ 1.25	300 Watt		

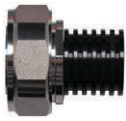



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# Hybrid Coupler

Hybrid Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
380-2700MHz N Female	RFHC-3DBA-NF	-3dB	380-2700MHz	≤1.25	200 Watt
Hybrid Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
555-2700MHz 4.3-10 Female 3rd Order Intermodulation ≤-161 dBc	RFHC-3DBC-43F	-3dB	555-2700MHz	≤1.25	300 Watt
					
Hybrid Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
694-2700MHz 4.3-10 Female 3rd Order Intermodulation ≤-160 dBc	RFHC-3DBF-43F	-3dB	694-2700MHz	≤1.25	200 Watt
Hybrid Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
698-2700MHz 4.3-10 Female 3rd Order Intermodulation ≤-155 dBc	RFHC-3C-43F	-3dB	698-2700MHz	≤1.30	200 Watt
Hybrid Coupler	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
698-2700MHz N Female 3rd Order Intermodulation ≤-150 dBc	RFHC-3-NF	-3dB	698-2700MHz	≤1.25	200 Watt
					

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# Dummy Loads

Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-6GHz 2 Watt 	RFDL-2W-43M	4.3-10 Male	DC-6GHz	≤1.20	2 Watt
	RFDL-2W-DM	7-16 DIN Male	DC-6GHz	≤1.20	2 Watt
	RFDL-2W-NM	N Male	DC-6GHz	≤1.20	2 Watt
Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-6GHz 3 Watt	RFDL-3W-43M	4.3-10 Male	DC-6GHz	≤1.30	3 Watt
Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-6GHz 5 Watt 	RFDL-5W-43M	4.3-10 Male	DC-6GHz	≤1.20	5 Watt
	RFDL-5W-NM	N Male	DC-6GHz	≤1.20	5 Watt
Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-6GHz 10 Watt	RFDL-10W-43M	4.3-10 Male	DC-6GHz	≤1.20	10 Watt
	RFDL-10W-NM				
Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-12.4GHz 15 Watt 	RFDL-15W-NM	N Male	DC-12.4GHz	≤1.35	15 Watt
Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-6GHz 20 Watt	RFDL-20W-43M	4.3-10 Male	DC-6GHz	≤1.20	20 Watt
Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-3GHz 25 Watt	RFDL-25W-43M	4.3-10 Male	DC-3GHz	≤1.20	25 Watt
Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-3GHz 30 Watt 	RFDL-30W-NM	N Male	DC-3GHz	≤1.20	30 Watt
Dummy Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-3GHz 50 Watt	RFDL-50W-NM	N Male	DC-3GHz	≤1.20	50 Watt

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# Termination Loads

Termination Load	Part Number	Connector	Frequency Range	VSWR	Average Power
350-2700MHz 3rd Order Intermodulation $\leq$ -160dBc 	RFLOAD-43F2	4.3-10 Female	350-2700MHz	$\leq$ 1.3:1	2 Watt
	RFLOAD-43F5	4.3-10 Female	350-2700MHz	$\leq$ 1.3:1	5 Watt
	RFLOAD-43F10	4.3-10 Female	350-2700MHz	$\leq$ 1.3:1	10 Watt
	RFLOAD-NM10	N Male	350-2700MHz	$\leq$ 1.25	10 Watt
	RFLOAD-43F30	4.3-10 Female	350-2700MHz	$\leq$ 1.3:1	30 Watt
	RFLOAD-43F50	4.3-10 Female	350-2700MHz	$\leq$ 1.3:1	50 Watt
	RFLOAD-43M10	4.3-10 Male	350-2700MHz	$\leq$ 1.3:1	10 Watt
	RFLOAD-43M20	4.3-10 Male	350-2700MHz	$\leq$ 1.3:1	20 Watt
	RFLOAD-43M50	4.3-10 Male	350-2700MHz	$\leq$ 1.25	50 Watt
Termination Load	Part Number	Connector	Frequency Range	VSWR	Average Power
350-2700MHz 3rd Order Intermodulation $\leq$ -160dBc 	RFLOAD-43F100	4.3-10 Female	350-2700MHz	$\leq$ 1.3:1	100 Watt
	RFLOAD-43M100	4.3-10 Male	350-2700MHz	$\leq$ 1.3:1	100 Watt
Termination Load	Part Number	Connector	Frequency Range	VSWR	Average Power
600-6000MHz	RFLOAD-43M5-B	4.3-10 Male	600-6000MHz	$\leq$ 1.25	5 Watt
Termination Load	Part Number	Connector	Frequency Range	VSWR	Average Power
600-2700MHz 	RFLOAD-43F10	4.3-10 Male	600-2700MHz	$\leq$ 1.25	2 Watt
	RFLOAD-43M2	4.3-10 Male	600-2700MHz	$\leq$ 1.25	2 Watt
	RFLOAD-43M5-B	4.3-10 Male	600-2700MHz	$\leq$ 1.25	5 Watt
	RFLOAD-DF50	7-16 DIN Female	600-2700MHz	$\leq$ 1.25	50 Watt
	RFLOAD-DM50	7-16 DIN Male	600-2700MHz	$\leq$ 1.20	50 Watt
Termination Load	Part Number	Connector	Frequency Range	VSWR	Average Power
600-2700MHz	RFLOAD-DF200	4.3-10 Male	600-2700MHz	$\leq$ 1.25	5 Watt
Termination Load	Part Number	Coupling (dB)	Frequency Range	VSWR	Average Power
698-2700MHz 3rd Order Intermodulation $\leq$ -160dBc 	RFLOAD-43M3	4.3-10 Male	698-2700MHz	$\leq$ 1.25	3 Watt
	RFLOAD-43M5	4.3-10 Male	698-2700MHz	$\leq$ 1.25:1	5 Watt
	RFLOAD-NM50-LP	N Male	698-2700MHz	$\leq$ 1.25	50 Watt
Termination Load	Part Number	Connector	Frequency Range	VSWR	Average Power
DC-3GHz 3rd Order Intermodulation $\leq$ -110dBc 	RFLOAD-NM50	N Male	DC-3GHz	$\leq$ 1.20	50 Watt

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# Power Splitter

Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way 138-960MHz 3rd Order Intermodulation $\leq$ -150dBc	RFPS-2PS-NF	N Female	138-960MHz	$\leq$ 1.50	100 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way 340-2700MHz 3rd Order Intermodulation $\leq$ -155dBc	RFPS-2V-NF	N Female	340-2700MHz	$\leq$ 1.20	300 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way 380-2700MHz 3rd Order Intermodulation $\leq$ -155dBc 	RFPS-2A-43F	4.3-10 Female	380-2700MHz	$\leq$ 1.25	500 Watt
	RFPS-2A-DF	7-16 DIN Female	380-2700MHz	$\leq$ 1.25	500 Watt
	RFPS-2A-NF	N Female	380-2700MHz	$\leq$ 1.25	350 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way 470-5930MHz 3rd Order Intermodulation $\leq$ -161dBc	RFPS-2B-43F	4.3-10 Female			
	RFPS-2B-NF	N Female			
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way 555-2700MHz 3rd Order Intermodulation $\leq$ -153dBc	RFPS-2B-43F	4.3-10 Female	555-2700MHz	$\leq$ 1.20:1	80 Watt
	RFPS-2C-43F	4.3-10 Female	555-2700MHz	$\leq$ 1.25	300 Watt
	RFPS-2F-NF	N Female	555-2700MHz	1.20:1 (694-2700MHz)	80 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way 698-2700MHz 3rd Order Intermodulation $\leq$ -155dBc 	RFPS-2C-DF	7-16 DIN Female	698-2700MHz	$\leq$ 1.20	500 Watt
	RFPS-2C-NF	N Female	698-2700MHz	$\leq$ 1.20	350 Watt
	RFPS-2-NF	N Female	698-2700MHz	$\leq$ 1.20	300 Watt

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# Power Splitter

Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way 698-3800MHz 3rd Order Intermodulation $\leq$ -155dBc	RFPS-2-B38-NF	N Female	698-3800MHz	$\leq$ 1.35	300 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
3 Way 340-2700MHz 3rd Order Intermodulation $\leq$ -155dBc	RFPS-3V-NF	N Female	340-2700MHz	$\leq$ 1.20 @ 380-2700	300 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
3 Way 380-2700MHz 3rd Order Intermodulation $\leq$ -155dBc 	RFPS-3A-43F	4.3-10 Female	380-2700MHz	$\leq$ 1.25	500 Watt
	RFPS-3A-DF	7-16 DIN Female	380-2700MHz	$\leq$ 1.25	500 Watt
	RFPS-3A-NF	N Female	380-2700MHz	$\leq$ 1.25	350 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
3 Way 555-2700MHz 3rd Order Intermodulation $\leq$ -155dBc	RFPS-3C-43F	4.3-10 Female	555-2700MHz	$\leq$ 1.35 @ 555-698MHZ	300 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
3 Way 698-2700MHz 3rd Order Intermodulation $\leq$ -155dBc, $\leq$ -160dBc 	RFPS-3C-DF	7-16 DIN Female	698-2700MHz	$\leq$ 1.3	500 Watt
	RFPS-3C-NF	N Female	698-2700MHz	$\leq$ 1.20	300 Watt
	RFPS-3-NF	N Female	698-2700MHz	$\leq$ 1.25	300 Watt

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# Power Splitter



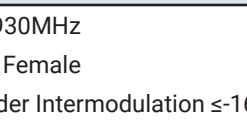
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
3 Way 698-3800MHz 3rd Order Intermodulation $\leq$ -155dBc	RFPS-3-B38-NF	N Female	698-3800MHz	$\leq$ 1.35	300 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
4 Way 340-2700MHz 3rd Order Intermodulation $\leq$ -155dBc	RFPS-4V-NF	N Female	340-2700MHz	$\leq$ 1.30	300 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
4 Way 380-2700MHz 3rd Order Intermodulation $\leq$ -155dBc 	RFPS-4-B38-NF	4.3-10 Female	380-2700MHz	$\leq$ 1.25	400 Watt
	RFPS-4A-43F	4.3-10 Female	380-2700MHz	$\leq$ 1.25	400 Watt
	RFPS-4A-DF	7-16 DIN Female	380-2700MHz	$\leq$ 1.25	500 Watt
	RFPS-4A-NF	N Female	380-2700MHz	$\leq$ 1.25	350 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
4 Way 555-2700MHz 3rd Order Intermodulation $\leq$ -155dBc	RFPS-4C-43F	N Female	555-2700MHz	$\leq$ 1.40 @ 555-698	300 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
4 Way 698-2700MHz 3rd Order Intermodulation $\leq$ -155dBc 	RFPS-4C-DF	7-16 DIN Female	698-2700MHz	$\leq$ 1.25	500 Watt
	RFPS-4C-NF	N Female	698-2700MHz	$\leq$ 1.25	350 Watt
	RFPS-4-NF	N Female	698-2700MHz	$\leq$ 1.30	300 Watt
Power Splitter	Part Number	Connector	Frequency Range	VSWR	Average Power
4 Way 698-3800MHz 3rd Order Intermodulation $\leq$ -155dBc	RFPS-4-B38-NF	N Female	698-3800MHz	$\leq$ 1.35	300 Watt

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# Power Splitter Wilkinson

Power Splitter Wilkinson	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way Public Safety 138-960MHz 	RFPSW-2PS-NF	N Female	138-960MHz	≤1.30	50 Watt input
Power Splitter Wilkinson	Part Number	Connector	Frequency Range	VSWR	Average Power
2 Way 617-2700MHz 3rd Order Intermodulation ≤-153dBc 	RFPSW-2-43F	4.3-10 Female	617-2700MHz	≤1.30	300 Watt
	RFPSW-2-NF	N Female	617-2700MHz	≤1.30	50 Watt input
Power Splitter Wilkinson	Part Number	Connector	Frequency Range	VSWR	Power Rating
3 Way Public Safety 138-960MHz 	RFPSW-3PS-NF	N Female	138-960MHz	≤1.30	50 Watt input
Power Splitter Wilkinson	Part Number	Connector	Frequency Range	VSWR	Power Rating
3 Way 617-2700MHz 3rd Order Intermodulation ≤-153dBc 	RFPSW-3-43F	4.3-10 Female	617-2700MHz	≤1.35	50 Watt input
	RFPSW-3-NF	N Female	617-2700MHz	≤1.35	50 Watt input
Power Splitter Wilkinson	Part Number	Connector	Frequency Range	VSWR	Power Rating
4 Way Public Safety 138-960MHz 	RFPSW-4PS-NF	N Female	138-960MHz	≤1.35	50 Watt input
Power Splitter Wilkinson	Part Number	Connector	Frequency Range	VSWR	Power Rating
4 Way 617-2700MHz 3rd Order Intermodulation ≤-153dBc 	RFPSW-4-43F	4.3-10 Female	617-2700MHz	≤1.40	50 Watt input
	RFPSW-4-NF	N Female	617-2700MHz	≤1.40	50 Watt input

# Power Tapper

Power Tapper	Part Number	Coupling (dB)	Frequency Range	VSWR 138-380 MHz	Average Power
138-960MHz N Female 	RFPT-NF-PS3	-3dB	138-960MHz	1.40	200 Watt
	RFPT-NF-PS6	-6dB	138-960MHz	1.30	200 Watt
	RFPT-NF-PS10	-10dB	138-960MHz	1.20	200 Watt
	RFPT-NF-PS15	-15dB	138-960MHz	1.20	200 Watt
	RFPT-NF-PS20	-20dB	138-960MHz	1.20	200 Watt
	RFPT-NF-PS30	-30dB	138-960MHz	1.25	200 Watt
Power Tapper	Part Number	Coupling (dB)	Frequency Range	VSWR 1710-2700	Average Power
350-2700MHz 4.3-10 Female 3rd Order Intermodulation $\leq$ -155 dBc 	RFPT-43F-A3	-3dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-43F-A48	-4.8dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-43F-A6	-6dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-43F-A7	-7dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-43F-A8	-8dB	340-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-43F-A10	-10dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-43F-A15	-15dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-43F-A20	-20dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
Power Tapper	Part Number	Coupling (dB)	Frequency Range	VSWR 1710-2700	Average Power
350-2700MHz N Female 3rd Order Intermodulation $\leq$ -155 dBc 	RFPT-NF-A3	-3dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-NF-A48	-4.8dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-NF-A6	-6dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-NF-A7	-7dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-NF-A8	-8dB	340-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-NF-A10	-10dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-NF-A15	-15dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
	RFPT-NF-A20	-20dB	350-2700MHz	$\leq$ 1.25:1	200 Watt
Power Tapper	Part Number	Coupling (dB)	Frequency Range	VSWR 350-5930	Average Power
350-5930MHz 4.3-10 Female 3rd Order Intermodulation $\leq$ -160 dBc 	RFPT-43F-B3	-3dB	350-5930MHz	1.4:1	500 Watt
	RFPT-43F-B48	-4.8dB	350-5930MHz	1.3:1	500 Watt
	RFPT-43F-B6	-6dB	350-5930MHz	1.3:1	500 Watt
	RFPT-43F-B8	-8dB	350-5930MHz	1.3:1	500 Watt
	RFPT-43F-B10	-10dB	350-5930MHz	1.3:1	500 Watt
	RFPT-43F-B13	-13dB	350-5930MHz	1.3:1	500 Watt
	RFPT-43F-B15	-15dB	350-5930MHz	1.3:1	500 Watt
	RFPT-43F-B20	-20dB	350-5930MHz	1.2:1	500 Watt
	RFPT-43F-B30	-30dB	350-5930MHz	1.2:1	500 Watt

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# Power Tapper

Power Tapper	Part Number	Coupling (dB)	Frequency Range	VSWR 350-5930	Average Power
350-5930MHz N Female to N Male 3rd Order Intermodulation $\leq$ -160 dBc	RFPT-NF-B3	-3dB	350-5930MHz	1.4:1	500 Watt
	RFPT-NF-B5	-5dB	350-5930MHz	1.3:1	500 Watt
	RFPT-NF-B6	-6dB	350-5930MHz	1.3:1	500 Watt
	RFPT-NF-B8	-8dB	350-5930MHz	1.3:1	500 Watt
	RFPT-NF-B10	-10dB	350-5930MHz	1.3:1	500 Watt
	RFPT-NF-B13	-13dB	350-5930MHz	1.3:1	500 Watt
	RFPT-NF-B15	-15dB	350-5930MHz	1.3:1	500 Watt
	RFPT-NF-B20	-20dB	350-5930MHz	1.2:1	500 Watt
	RFPT-NF-B30	-30dB	350-5930MHz	1.2:1	500 Watt
Power Tapper	Part Number	Coupling (dB)	Frequency Range	VSWR 1710-2700	Average Power
698-1400MHz & 1710-2700MHz N Female 3rd Order Intermodulation $\leq$ -155 dBc	RFPT-NF-C3	-3dB	698-1400MHz & 1710-2700MHz	$\leq$ 1.30:1	300 Watt
	RFPT-NF-C7	-7dB	698-1400MHz & 1710-2700MHz	$\leq$ 1.35:1	200 Watt
Power Tapper	Part Number	Coupling (dB)	Frequency Range	VSWR 1710-2700	Average Power
698-2700MHz 4.3-10 Female 3rd Order Intermodulation $\leq$ -160 dBc 	RFPT-43F-C48	-4.8dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-43F-C7	-7dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-43F-C10	-10dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-43F-C20	-20dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
Power Tapper	Part Number	Coupling (dB)	Frequency Range	VSWR 1710-2700	Average Power
698-2700MHz N Female 	RFPT-NF-C48	-4.8dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-NF-C6	-6dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-NF-C8	-8dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-NF-C10	-10dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-NF-C13	-13dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-NF-C15	-15dB	698-2700MHz	$\leq$ 1.35:1	200 Watt
	RFPT-NF-C20	-20dB	698-2700MHz	$\leq$ 1.35:1	200 Watt

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## Design – Production – Inventory

We have production and warehouse facilities on both coasts of the United States along with a network of distributors throughout North America and Europe to deliver finished products quickly.

## Quality Policy Statement

We are committed to maintaining excellent product quality. It is our goal to continuously improve the quality of our products to better satisfy the needs and expectations of our customers. We are also committed to delivering products that completely suit customer requirements on time, every time, and defect-free.

## Certifications / Registrations

Corning Gold House  
ISO 9001:2015  
Underwriters Laboratory Recognized  
Telcordia GR-326 Issue 4



*\*CAH Connections and Extended Warranty are service marks of Corning Cable Systems Brands, Inc*

## Corning Gold

C Enterprises and Cables Unlimited are part of an elite group of cable assembly houses (CAHs) that meet the high standards for eligibility in the Corning Cable Systems CAH Connections<sup>SM</sup> Gold Program for optical patch cord manufacturers.

## Corning Extended Warranty Program

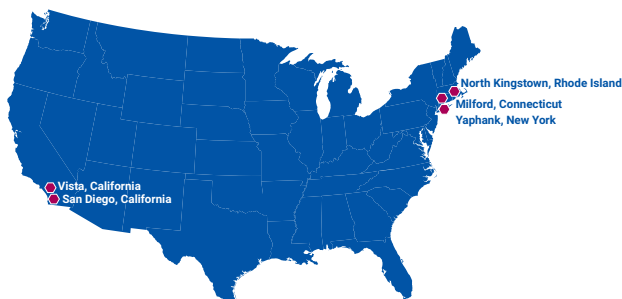
As members of the CAH Connections Gold Program, C Enterprises and Cables Unlimited are divisions of RF Industries, that offer a Corning Cable Systems 25-year Extended Warranty<sup>SM</sup> coverage for single and 2 fiber patch cords manufactured by and installed by a certified NPI member.

## Shipping

Our experienced staff employs best-practice packaging and shipping methods. We manage weight and dimensions to ensure the lowest shipping costs with our quick-ship capabilities.



Interconnect Solutions for a Connected World<sup>TM</sup>



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