

Introduction

RF ONE is an [ISO9001 certified](#) supplier of high quality RF&Microwave components from China. Our team has more than three-decade combined years of experience in this industry.

Since 2002 we have been dedicated to the design and manufacturing of RF attenuators and terminations. Our facility started with thick-film circuit fabrication which laid a solid technological foundation for us to develop the widest selection of coaxial RF attenuators and terminations.

Over the past decade when China's RF industry growing faster than ever, RF ONE has expanded our products from coax RF attenuators to cable assemblies, waveguide to coax adapters, mmWave connectors etc .

Today our ISO9001 certified facilities provide products ranging from military-grade small SMP connectors to 2kW coaxial attenuators, main categories are listed below.

- Coaxial Fixed Attenuator (DC-40GHz/50GHz/67GHz, 2W-2kW)
- Coaxial Termination (DC-40GHz/50GHz/67GHz, 2W-500W)
- Step Attenuator (0-70db, 1 db step)
- Flexible Cable Assembly (Up to 110GHz)
- mmWave Coax Adapter/connector(Up to 110GHz)
- Low PIM Components (170dbc termination/filter)
- Waveguide to Coax Adapter (from WR12 to WR430, WRD750)

We are confident in the quality of our products and most parts are covered by warranties. Test data and certificate of conformity are provided along with each shipment.

Thanks to our highly professional sales representatives worldwide, RF ONE has proudly been the approved vendor to [Indra](#), [Viavi Solutions](#), [Teledyne Paradise Datacom](#) and also supply via our global partners to [ACE Technologies Corp](#), [L-COM](#), [RFHIC](#) and [Ericsson](#) etc.

We attach highest importance to the partnership with our global representatives and distributors. Our philosophy to work with partners and customers with honesty and integrity has greatly contributed to our success in increasing market shares.

Coaxial Fixed Attenuator

Features

- Wide selection of power rate, frequency and dB options
- In-housing attenuator chip design and fabricating
- Up to 40GHz with high accuracy and low VSWR
- Competitive price, with 12 month warranty
- 1 week delivery for standard part
- Customized designs in dB value, outlines, and optimized performance available



Low and Medium Power attenuator						
RF One P/N	Avg Power	Frequency Range	Connector	Nominal attenuations(dB)	Direction	Shape
RFHB06XXX2	2W	DC-6G	SMA/N/BNC	1-10/12/15/20/30/40	Bidirectional	Round
RFHB12XXX2	2W	DC-12.4G	SMA/N	1-10/12/15/20/30/40	Bidirectional	Round
RFHB18XXX2	2W	DC-18G	SMA/N	1-10/12/15/20/30/40	Bidirectional	Round
RFHB27XXS2	2W	DC-27G	SMA	1-6/10/15/20/30	Bidirectional	Round
RFHB40XX292X2	2W	DC-40G	2.92mm	1-6/10/15/20/30	Bidirectional	Round
RFHB06XXX5	5W	DC-6G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFHB12XXX5	5W	DC-12.4G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFHB18XXX5	5W	DC-18G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFHB06XXX10	10W	DC-6G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFHB12XXX10	10W	DC-12.4G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFHB18XXX10	10W	DC-18G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFH40XX292X10	10W	DC-40G	2.92mm	6/10/20/30/40	Uni-directional	Round
RFHB06XXX15	15W	DC-6G	4.3-10/N/SMA	1-10/15/20/30/40/50	Bidirectional	Round
RFHB12XXX15	15W	DC-12G	N/SMA	1-10/15/20/30/40/50	Bidirectional	Round
RFHB18XXX15	15W	DC-18G	N/SMA	1-10/15/20/30/40/50	Bidirectional	Round
RFHB06XXX20	20W	DC-6G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFHB12XXX20	20W	DC-12.4G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFHB18XXX20	20W	DC-18G	SMA/N	1-10/15/20/30/40/50	Bidirectional	Round
RFH40XX292X20	20W	DC-40G	2.92mm	10/20/30/40	Uni-directional	Round
RFHB06XXX25	25W	DC-6G	N/SMA	1-10/15/20/30/40/50	Bidirectional	Round
RFHB12XXX25	25W	DC-12.4G	N/SMA	1-10/15/20/30/40/50	Bidirectional	Round
RFHB18XXX25	25W	DC-18G	N/SMA	1-10/15/20/30/40/50	Bidirectional	Round
RFH06XXX30	30W	DC-6G	N/SMA	1-10/15/20/30/40/50	Uni-directional	Round
RFH12XXX30	30W	DC-12.4G	N/SMA	1-10/15/20/30/40/50	Uni-directional	Round
RFH18XXX30	30W	DC-18G	N/SMA	1-10/15/20/30/40/50	Uni-directional	Round
RFHB03XXX50	50W	DC-3G	N/SMA	6/10/15/20/30/40/50	Bidirectional	Round
RFHB06XXX50	50W	DC-6G	N/SMA	6/10/15/20/30/40/50	Bidirectional	Round
RFHB12XXX50	50W	DC-12.4G	N/SMA	6/10/15/20/30/40/50	Bidirectional	Round
RFH06XXX50-D	50W	DC-6G	N/SMA	6/10/15/20/30/40/50	Uni-directional	Rectangular
RFH12XXX50-D	50W	DC-12.4G	N/SMA	6/10/15/20/30/40/50	Uni-directional	Rectangular

Coaxial Fixed Attenuator

High Power attenuator						
RF One P/N	Avg Power	Frequency Range	Connector	Nominal attenuations(dB)	Direction	Shape
RFH06XXX100	100W	DC-6G	N/SMA	6-10/20/30/40/50	Uni-directional	Round
RFH06XXX100-D	100W	DC-6G	N/SMA	6-10/20/30/40/50	Uni-directional	Rectangular
RFH12XXX100	100W	DC-12.4G	N/SMA	6-10/20/30/40/50	Uni-directional	Round
RFH12XXX100-D	100W	DC-12.4G	N/SMA	6-10/20/30/40/50	Uni-directional	Rectangular
RFH18XXX100	100W	DC-18G	N/SMA	6-10/20/30/40/50	Uni-directional	Round
RFH18XXX100-D	100W	DC-18G	N/SMA	6-10/20/30/40/50	Uni-directional	Rectangular
RFH04XXX100	100W	DC-4G	N/SMA	6-10/20/30/40/50	Bidirectional	Round
RFH08XXX100	100W	DC-8G	N	1-10/20/30/40	Bidirectional	Round
RFH06XXNX150-D	150W	DC-6G	N	6-10/20/30/40/50/60	Uni-directional	Rectangular
RFH12XXNX150-D	150W	DC-12.4G	N	6-10/20/30/40/50/60	Uni-directional	Rectangular
RFH18XXNX150-D	150W	DC-18G	N	6-10/20/30/40/50/60	Uni-directional	Rectangular
RFH06XXNX200-D	200W	DC-6G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH12XXNX200-D	200W	DC-12.4G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH18XXNX200-D	200W	DC-18G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH06XXNX250-D	250W	DC-6G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH12XXNX250-D	250W	DC-12.4G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH18XXNX250-D	250W	DC-18G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH06XXNX300-D	300W	DC-6G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH12XXNX300-D	300W	DC-12.4G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH18XXNX300-D	300W	DC-18G	N	30/40/50/60	Uni-directional	Rectangular
RFH06XXNX350-D	350W	DC-6G	N	20/30/40/50/60	Uni-directional	Rectangular
RFH12XXNX350-D	350W	DC-12.4G	N	20/30/40/50/60	Uni-directional	Rectangular
RFH04XXNX500-D	500W	DC-4G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH06XXNX500-D	500W	DC-6G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH12XXNX500-D	500W	DC-12.4G	N	10/20/30/40/50/60	Uni-directional	Rectangular
RFH03XXXX1000-D	1000W	DC-3G	N/DIN 7/16	40/50	Uni-directional	Rectangular
RFH03XXXX2000-D	2000W	DC-3G	N/DIN 7/16	40/50	Uni-directional	Rectangular

* Attenuators of 4GHZ/8GHz are available.

* Low PIM (coupler design) attenuator is available.

Coaxial Terminations

Features

- Up to 50GHz, with low VSWR
- Nitride Aluminum chip, RoHS&REACH compliant
- Competitive price
- With 12 month warranty
- 1 week delivery for standard part
- Customized designs in outlines and optimized performance available



High Power Termination					
RF One P/N	Avg.Power	Connector	Gender	Frequency	Shape
RFT18100N2-D	100W	N	Male	DC-18GHZ	Rectangular
RFT06100D2	100W	DIN 7/16	Male	DC-6GHZ	Round
RFT06100D1	100W	DIN 7/16	Female	DC-6GHZ	Round
RFT0610043102	100W	4.3-10	Male	DC-6GHZ	Round
RFT0610043101	100W	4.3-10	Female	DC-6GHZ	Round
RFT06100N2	100W	N	Male	DC-6GHZ	Round
RFT06100N1	100W	N	Female	DC-6GHZ	Round
RFT18250N2-D	250W	N	Male	DC-18GHZ	Rectangular
RFT12250N2-D	250W	N	Male	DC-12.4GHZ	Rectangular
RFT06250N2-D	250W	N	Male	DC-12.4GHZ	Rectangular
RFT18300N2-D	300W	N	Male	DC-18GHZ	Rectangular
RFT12300N2-D	300W	N	Male	DC-12.4GHZ	Rectangular
RFT06300N2-D	300W	N	Male	DC-12.4GHZ	Rectangular
RFT06500N2-D	500W	N	Male	DC-6GHZ	Rectangular
RFT12500N2-D	500W	N	Male	DC-12.4GHZ	Rectangular
RFT041000N2-D	1000W	N	Male	DC-4GHZ	Rectangular

* Termination of DC-4GHZ/8GHz are available.

* Low PIM termination can be found at Page 12.

Low & Medium Power Termination

RF One P/N	Avg.Power	Connector	Gender	Frequency	Shape
RFT40022922	2W	2.92mm	Male	DC-40GHZ	Round
RFT40022921	2W	2.92mm	Female	DC-40GHZ	Round
RFT0602N2	2W	N	Male	DC-6GHZ	Round
RFT1202N2	2W	N	Male	DC-12.4GHZ	Round
RFT1802N2	2W	N	Male	DC-18GHZ	Round
RFT0602S2	2W	SMA	Male	DC-18GHZ	Round
RFT1202S2	2W	SMA	Male	DC-18GHZ	Round
RFT1802S2	2W	SMA	Male	DC-18GHZ	Round
RFT0602S1	2W	SMA	Female	DC-6GHZ	Round
RFT1202S1	2W	SMA	Female	DC-12.4GHZ	Round
RFT1802S1	2W	SMA	Female	DC-18GHZ	Round
RFT0402B2	2W	BNC	Male	DC-4GHZ	Round
RFT0802B2	2W	BNC	Male	DC-8GHZ	Round
RFT0402B1	2W	BNC	Female	DC-4GHZ	Round
RFT0802B1	2W	BNC	Female	DC-8GHZ	Round
RFT0602Q2	2W	QMA	Male	DC-6GHZ	Round
RFT0605N2	5W	N	Male	DC-6GHZ	Round
RFT1205N2	5W	N	Male	DC-12.4GHZ	Round
RFT1805N2	5W	N	Male	DC-18GHZ	Round
RFT0605N1	5W	N	Female	DC-6GHZ	Round
RFT1205N1	5W	N	Female	DC-12.4GHZ	Round
RFT1805N1	5W	N	Female	DC-18GHZ	Round
RFT0610S2	10W	SMA	Male	DC-6GHZ	Round
RFT1810S2	10W	SMA	Male	DC18GHZ	Round
RFT0650N2	50W	N	Male	DC-6GHZ	Round
RFT1250N2	50W	N	Male	DC-12.4GHZ	Round
RFT1850N2	50W	N	Male	DC-18GHZ	Round
RFT0650N1	50W	N	Female	DC-6GHZ	Round
RFT1250N1	50W	N	Female	DC-12.4GHZ	Round
RFT1850N1	50W	N	Female	DC-18GHZ	Round
RFT0650S2	50W	SMA	Male	DC-6GHZ	Round
RFT1250S2	50W	SMA	Male	DC-12.4GHZ	Round
RFT1850S2	50W	SMA	Male	DC-18GHZ	Round
RFT0650S1	50W	SMA	Female	DC-6GHZ	Round
RFT1250S1	50W	SMA	Female	DC-12.4GHZ	Round
RFT1850S1	50W	SMA	Female	DC-18GHZ	Round
RFT0650S2-D	50W	SMA	Male	DC-6GHZ	Rectangular
RFT1250S2-D	50W	SMA	Male	DC-12.4GHZ	Rectangular
RFT1850S2-D	50W	SMA	Male	DC-18GHZ	Rectangular
RFT0650S1-D	50W	SMA	Female	DC-6GHZ	Rectangular
RFT1250S1-D	50W	SMA	Female	DC-12.4GHZ	Rectangular
RFT1850S1-D	50W	SMA	Female	DC-18GHZ	Rectangular

Step Attenuator



Features

- 10/30/50/70db, 1db/Step
- 15 years of proven quality and reliability
- Competitive price
- With 12 month warranty

Rotary Step Attenuator					
RF One P/N	Frequency (GHz)	Total Attenuation and step value	IL(DB)	Accuracy (DB)	Connectors
RVR1001S2	DC-2.2	10DB,1DB	±0.6	±0.4	SMA Female
RVR3001S2	DC-2.7	30DB,1DB	±0.6	±1	SMA Female
RVR5001S2	DC-2.7	50DB,1DB	DC-2GHZ: ±0.8	±0.5 or 3%	SMA Female
			2-2.7GHZ:±1		
RVR5001N2	DC-2.7	50DB,1DB	±1	±0.5 or 3%	N Female
RVR6001S2	DC-2.7	60DB,1DB	±1.5	±1 or 4%	SMA Female
RVR7001S2	DC-2.7	70DB,1DB	±1.5	±1 or 4%	SMA Female
Push Button Step Attenuator					
RF One P/N	Frequency (GHz)	Total Attenuation and step value	IL(DB)	Accuracy (DB)	Connectors
RVP3001S5	DC-2.5	30DB,1DB	±2	±1.5	SMA Female

* DC-18GHz rotary step attenuator and manual variable continuous attenuator are available upon request.

*0.1dB is available.

Flexible Cable Assembly

Features

- Very low loss cables available up to 18/26.5/40/67GHz
- Outstanding low VSWR (max 1.30:1 to 40 GHz, 1.40 to 67GHz)
- Good mechanical phase stability (PL series: $\pm 3^\circ$ @18GHz)
- Competitive price and very quick delivery
- Raw cable in stock and available in any lengths of 2.92mm/2.4mm/1.85mm cable assemblies



Ultra-Low Loss Phase Stable Amplitude Stable Cable--PL Series

Model		PL220	PL360	PL520	PL800	PL1200
Max.Operating Frequency	GHz	67	40	26.5	18	10
Max.Insertion Loss dB/m	1 GHz	0.633	0.375	0.230	0.148	0.099
	12.4 GHz	2.307	1.369	0.838	0.549	0.261@6GHz
	18 GHz	2.869	1.667	1.019	0.671	-
	26.5 GHz	3.543	2.048	1.252	-	-
	40 GHz	4.452	2.557	-	-	-
	67 GHz	5.964	-	-	-	-
Power Handling	Watts(CW)@6GHz	110	650	350	716	1157
Jacket(Outer dia.)	mm	2.20	3.60	5.20	7.80	12.00
Static Bend Radius	mm	11	18	20	35	60

Low Loss, Economical Flexible Cable--EL Series

Model		EL280	EL350	EL520	EL750
Max.Operating Frequency	GHz	26.5	18	18	18
Max.Insertion Loss dB/m	1 GHz	0.607	0.386	0.238	0.154
	12.4 GHz	2.385	1.436	0.934	0.626
	18 GHz	2.959	1.757	1.159	0.783
	26.5 GHz	3.721	-	-	-
Power Handling	Watts(CW)@6GHz	38	182	293	628
Jacket (Outer dia.)	mm	2.60	3.50	5.20	7.80
Static Bend Radius	mm	12	14	20	32

Torsion Resistant Triple-shielding Flexible Cable--FL Series

Model		FL460	FL520	FL630
Max.Operating Frequency	GHz	26.5	18	18
Max.Insertion Loss dB/m	1 GHz	0.327	0.277	0.222
	12.4GHz	1.193	1.027	0.834
	18 GHz	1.581	1.255	1.022
	26.5GHz	1.784	-	-
Power Handling	Watts(CW)@6GHz	279	298	403
Jacket(Outer dia.)	mm	4.6	5.2	6.2
Static Bend Radius	mm	20	25	32

Ultra-Flexible Low Loss Flexible Cable--UF Series

Model		UF360	UF520	UF800
Max.Operating Frequency	GHz	40	26.5	18
Max.Insertion Loss dB/m	1 GHz	0.413	0.283	0.178
	12.4GHz	1.576	1.033	0.657
	18 GHz	1.940	1.257	0.803
	26.5GHz	2.416	1.544	-
	40 GHz	3.069	-	-
Power Handling	Watts(CW)@6GHz	156	350	723
Jacket(Outer dia.)	mm	3.6	5.2	7.55
Max Weight	g/m	35	50	130
Static Bend Radius	mm	18	20	35

New Test Cables PL230P and PL360P

Model		PL230P	PL360P
Jacket(Outer dia.)	mm	2.70	3.60
Max.Operating Frequency	GHz	67 GHz	50 GHz
Max.Insertion Loss dB/meter	1 GHz	0.63dB	0.44 dB
	18 GHz	2.88 dB	1.92 dB
	26.5GHz	3.56 dB	2.35 dB
	40 GHz	4.48 dB	2.92 dB
	50 GHz	5.09dB	3.29 dB
	67 GHz	6.02dB	-
Power Handling	Watts(CW)@18GHz	59W	93W
Static Bend Radius	mm	15	18

Microwave/mmWave Coaxial Adapter

Features

- Ship from stock
- Unmatched competitive price
- Very low VSWR, up to 67GHz
- High precision design and machining
- Ruggedized s/steel connectors



DC-18GHZ, DC-27GHZ, DC-35GHz						
RF One P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	Max VSWR
A1813B	N Male	3.5 Male	Straight	None	18	1.15
A1814B	N Male	3.5 Female	Straight	None	18	1.15
A1815B	N Female	3.5 Male	Straight	None	18	1.15
A1816B	N Female	3.5 Female	Straight	None	18	1.15
A1817B	N Male	2.92 Male	Straight	None	18	1.15
A1818B	N Male	2.92 Female	Straight	None	18	1.15
A1819B	N Female	2.92 Male	Straight	None	18	1.15
A1820B	N Female	2.92 Female	Straight	None	18	1.15
A1821B	N Male	2.4 Male	Straight	None	18	1.15
A1822B	N Male	2.4 Female	Straight	None	18	1.15
A1823B	N Female	2.4 Female	Straight	None	18	1.15
A1824B	N Female	2.4 Male	Straight	None	18	1.15
A2712B	3.5 Female	SMP Female	Straight	None	27	1.25
A2713B	3.5 Female	SMP Male	Straight	None	27	1.25
A2714B	3.5 Male	SMP Male	Straight	None	27	1.25
A2715B	3.5 Male	SMP Female	Straight	None	27	1.25
A2701B	3.5 Female	3.5 Female	Straight	None	35	1.2
A2701B-F1	3.5 Female	3.5 Female	Straight	4 hole flange	35	1.25
A2702B	3.5 Male	3.5 Male	Straight	None	35	1.2
A2703B	3.5 Female	3.5 Male	Straight	None	35	1.2
A2704B	3.5 Female	2.92 Female	Straight	None	35	1.2
A2705B	3.5 Male	2.92 Male	Straight	None	35	1.2
A2706B	3.5 Female	2.92 Male	Straight	None	35	1.2
A2707B	3.5 Male	2.92 Female	Straight	None	35	1.2
A2708B	3.5 Male	2.4 Female	Straight	None	35	1.2
A2709B	3.5 Male	2.4 Male	Straight	None	35	1.2
A2710B	3.5 Female	2.4 Female	Straight	None	35	1.2
A2711B	3.5 Female	2.4 Male	Straight	None	35	1.2
A2716B	3.5 Male	1.85 Male	Straight	None	35	1.2
A2717B	3.5 Male	1.85 Female	Straight	None	35	1.2
A2718B	3.5 Female	1.85 Male	Straight	None	35	1.2
A2719B	3.5 Female	1.85 Female	Straight	None	35	1.2

Microwave/mmWave Coaxial Adapter

DC-40GHZ, DC-50GHZ, DC-67GHZ						
RF One P/N	Connector 1	Connector 2	Style	Mounting	Max Frequency (GHz)	Max VSWR
A6701B	1.85 Female	1.85 Female	Straight	None	67	1.3
A6702B	1.85 Male	1.85 Male	Straight	None	67	1.3
A6703B	1.85 Female	1.85 Male	Straight	None	67	1.3
A5001B	2.4 Female	2.4 Female	Straight	None	50	1.2
A5001B-F1	2.4 Female	2.4 Female	Straight	4 hole flange	50	1.2
A5002B	2.4 Male	2.4 Male	Straight	None	50	1.2
A5003B	2.4 Female	2.4 Male	Straight	None	50	1.2
A5004B	2.4 Male	1.85 Male	Straight	None	50	1.2
A5005B	2.4 Male	1.85 Female	Straight	None	50	1.2
A5006B	2.4 Female	1.85 Male	Straight	None	50	1.2
A5007B	2.4 Female	1.85 Female	Straight	None	50	1.2
A4001B	2.92 Female	2.92 Female	Straight	None	40	1.2
A4001B-F1	2.92 Female	2.92 Female	Straight	4 hole flange	40	1.2
A4001B-Y1	2.92 Female	2.92 Female	Straight	Bulkhead	40	1.2
A4002B	2.92 Male	2.92 Male	Straight	None	40	1.2
A4003B	2.92 Female	2.92 Male	Straight	None	40	1.2
A4004B	2.92 Female	2.4 Female	Straight	None	40	1.2
A4005B	2.92 Female	2.4 Male	Straight	None	40	1.2
A4006B	2.92 Male	2.4 Male	Straight	None	40	1.2
A4007B	2.92 Male	2.4 Female	Straight	None	40	1.2
A4008B	2.92 Male	1.85 Male	Straight	None	40	1.2
A4009B	2.92 Male	1.85 Female	Straight	None	40	1.2
A4010B	2.92 Female	1.85 Female	Straight	None	40	1.2
A4011B	2.92 Female	1.85 Male	Straight	None	40	1.2
A4012B	2.92 Male	SMP Male	Straight	None	40	1.3
A4013B	2.92 Male	SMP Female	Straight	None	40	1.3
A4014B	2.92 Female	SMP Male	Straight	None	40	1.3
A4015B	2.92 Female	SMP Female	Straight	None	40	1.3
A4016B	2.4 Male	SMP Male	Straight	None	40	1.3
A4017B	2.4 Male	SMP Female	Straight	None	40	1.3
A4018B	2.4 Female	SMP Male	Straight	None	40	1.3
A4019B	2.4 Female	SMP Female	Straight	None	40	1.3
A4024B	2.92 Male	SSMP Male	Straight	None	40	1.25
A4025B	2.92 Male	SSMP Female	Straight	None	40	1.25
A4026B	2.92 Female	SSMP Male	Straight	None	40	1.25
A4027B	2.92 Female	SSMP Female	Straight	None	40	1.25
A4028B	2.4 Male	SSMP Male	Straight	None	40	1.25
A4029B	2.4 Male	SSMP Female	Straight	None	40	1.25
A4030B	2.4 Female	SSMP Male	Straight	None	40	1.25
A4031B	2.4 Female	SSMP Female	Straight	None	40	1.25

*We also offer right angle 27GHZ SMA and 40GHz right angle 2.92mm adapters.

Low PIM Terminations



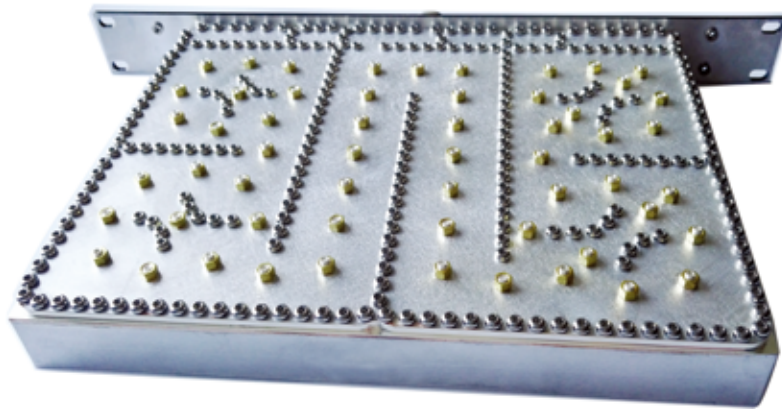
Features

- Available with 150dbc, 160dbc, 170dbc to suit customer specific budget and applications
- Comes with compact round shape or handle-held rectangular type
- 100% dynamic PIM test with traceable serialized test data
- Covering from 380MHz to 2700MHz

Low PIM Terminations					
RF One P/N	3rd PIM(2*20W)	Frequency	VSWR (max):1	Connector	Shape
RTL0350D2	-158dbc (Measured at 900/1800MHZ)	380MHz-2700MHz	1.25	DIN 7/16 Male	Round
RTL0350D1	-158dbc (Measured at 900/1800MHZ)	380MHz-2700MHz	1.25	DIN 7/16 Female	Round
RTL035043102	-158dbc (Measured at 900/1800MHZ)	380MHz-2700MHz	1.25	4.3-10 Male	Round
RTL035043101	-158dbc (Measured at 900/1800MHZ)	380MHz-2700MHz	1.25	4.3-10 Female	Round
RTL0350N2	-158dbc (Measured at 900/1800MHZ)	380MHz-2700MHz	1.25	N Male	Round
RTL0350N1	-158dbc (Measured at 900/1800MHZ)	380MHz-2700MHz	1.25	N Female	Round
RTL06100D1	-168dbc (Measured at 700/900/1800/2100/2600MHZ)	698MHz-2700MHz	1.25	DIN 7/16 Female	Rectangular

This list only includes partially our low PIM terminations, please contact us at sales@rfone.cn for your specific needs.

Low PIM Duplexers



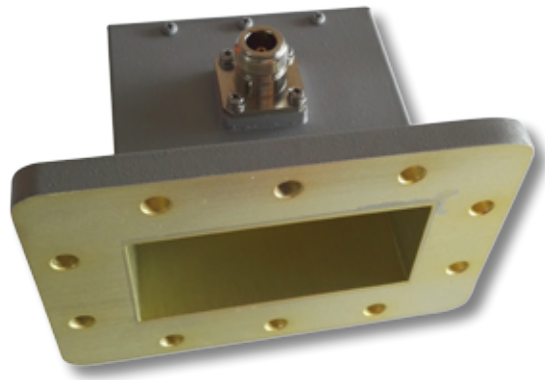
Features

- Test grade 173dbc min (2*44dbm) and customized designs available
- Quick turnaround time
- 100% dynamic PIM test with traceable serialized test data
- Covering from 380MHz to 2700MHz&3500MHz

Low PIM Duplexers						
Model	TX Band	RX Band	Rejection Min (TX rejection at RX band) & (RX rejection at TX band)	IL Max (TX to COM)& (COM to RX)	Return Loss Min (TX to COM)& (COM to RX)	Min PIM (3rd 2*20w)
DU-700	728-757MHz	698-716MHz	90dB	1dB	20dB	170dbc
DD-800	790-821MHz	832-862MHz	90dB	1dB	20dB	170dbc
DU-800	869-894MHz	824-849MHz	90dB	1dB	20dB	170dbc
DU-900	925-960 MHz	880-915 MHz	90dB	1dB	20dB	170dbc
DU-1800	1805-1880MHz	1710-1785MHz	90dB	1dB	20dB	170dbc
DU-1900	1930-1995MHz	1850-1910MHz	90dB	1dB	20dB	170dbc
DU-2100	2110-2170MHz	1920-2080 MHz	90dB	1dB	20dB	170dbc
DU-2600	2620-2695MHz	2500-2580MHz	90dB	1dB	20dB	170dbc

**We also offer 110dB rejection low PIM duplexers. 173dBc version is also available.*

Waveguide to Coax Adapters



Features

- Available in WR19/WR28/WRD650 etc, N/SMA/7/16 Din/ 3.5mm/2.92mm/2.4mm
- Covering from 0.32GHz-50GHz
- Competitive price and quick delivery

Waveguide to Coax Adapters				
RF One P/N	Waveguide	Coaxial	Frequency (GHz)	VSWR(max):1
AWR19185	WR19	1.85mm Female	39.2-59.6	1.4
AWR28292	WR28	2.92MM Female	26.5-40	1.25
AWR42SMA	WR42	SMA Female	17.6-26.7	1.25
AWR62SMA	WR62	SMA Female	11.9-18	1.25
AWR75SMA	WR75	SMA Female	10-15	1.25
AWR90SMA	WR90	SMA Female	8.2-12.4	1.25
AWR137SMA	WR137	SMA Female	5.37-8.17	1.2
AWR229SMA	WR229	SMA Female	3.22-4.9	1.2
AWR284SMA	WR284	SMA Female	2.6-3.95GHz	1.2
AWR340N	WR340	N Female	2.2-3.3	1.25
AWR340ND	WR340	7/16 DIN Female	2.2-3.3	1.25
AWRD250N	WRD250	N Female	2.6-8GHz	1.3
AWRD650N	WRD650	N Female	6-18GHz	1.3
AWRD750N	WRD750	N Female	7.5-18	1.3

**This list only includes partially our waveguide to coax adapters.*

Other Products Available

- Resistive/ Microstrip Power Divider(DC-6GHZ, 18-40GHz)
- Torque Wrench(SMA/2.92mm/Type N, 4,3-10,Din 7/16, Click and break-over type)
- Couplers(directional, hybrid)
- Filters(Low pass, high pass, band-rejection)



- DC-40GHz, 30W,50W 2.92mm Attenuator
- DC-50G, 2.4mm 2W/5W/10W/20W Attenuator
- DC-50G, 2.4mm 2W/5W/10W/20W Termination
- DC-67G, 1.85mm 2W Termination
- WR12 to 1mm Female adapter

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