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### Fixed Attenuators

Model Number	Connector Type	Frequency Range (GHz)	Average Power (Watts)	Peak Power (kW)	Nominal Attenuation Value (dB)	SWR <sup>1</sup>
1	N	dc-12.4	5	1	1 thru 10, 20, 30, 40, 50, 60	1.15-1.25
1W	N	dc-4.0	2	0.25	1 thru 10, 20, 30	1.15
2	N	dc-18.0	5	1	1 thru 10, 20, 30, 40, 50, 60	1.15-1.35
3M/3T	SMA	dc-12.4	2	0.5	1 thru 10, 20, 30, 40, 50, 60	1.15-1.25
4H	SMA	dc-18.6	2	0.25	1 thru 10, 20, 30	1.15-1.35
4M/4T	SMA	dc-18.0	2	0.5	1 thru 10, 20, 30, 40, 50, 60	1.15-1.35
4W	SMA	dc-3.0	2	0.25	1 thru 10, 20, 30, 40	1.20-1.30
18W	BNC	dc-12.4	5	1	1 thru 10, 20, 30	1.25-1.35
23	N	dc-18.0	10	1	1, 2, 3, 6, 10, 20, 30, 40, 50, 60	1.15-1.35
24	N	dc-8.0	50	5	3, 6, 10, 20, 30	1.20-1.30
33	N	dc-8.0	25	5	3, 6, 10, 20, 30	1.20-1.30
34	N	dc-4.0	25	5	3, 6, 10, 20, 30	1.10-1.20
37	N	dc-8.5	25	5	3, 6, 10, 20, 30	1.15-1.25
40	N	dc-1.5	150	10	3, 6, 10, 20, 30, 40	1.10
41	SMA	dc-18.0	10	1	1, 2, 3, 6, 10, 20, 30	1.20-1.35
44	N	dc-18.0	5	1	1 thru 10, 20, 30, 40, 50, 60	1.15-1.25
45	N	dc-1.5	250	10	3, 6, 10, 20, 30, 40	1.10
46	N	dc-18.0	25	1	3, 6, 10, 20, 30, 40	1.20-1.35
47	N	dc-18.0	50	1	10, 20, 30, 40	1.20-1.35
48	N	dc-18.0	100	1	20, 30, 40	1.25-1.45
49	N	dc-8.5	150	10	3, 6, 10, 20, 30, 40	1.25-1.35
54	SMA	dc-40.0	2	0.2	3, 6, 10, 20, 30	1.35-1.60
69	SMA	dc-18.0	5	0.5	1 thru 10, 20, 30	1.15-1.35
3330A 3331A	SMA	dc-18.0	2	0.25	1 thru 30	1.20-1.50

### Directional Couplers--Octave & Multi-Octave

Model Number	Frequency Range (GHz)	Coupling (dB)*	Frequency Flatness* (dB)	Minimum Directivity (dB)	Maximum SWR	Maximum Insertion Loss above Coupling Loss (dB)	Maximum Peak** Power (kW)	Maximum Average** Power (W)
1536RA-10	1.0-2.0	10±1.20	±0.75	20	1.20	0.2	3	50
1536RA-20	1.0-2.0	10±1.20	±0.75	20	1.20	0.2	3	50
1537RA-10	2.0-4.0	10±1.20	±0.75	20	1.25	0.2	3	40
1537RA-20	2.0-4.0	20±1.20	±0.75	20	1.25	0.2	3	40
1538RA-10	0.5-2.0	10±1.20	±0.75	20	1.20	0.2	3	50
1538RA-20	0.5-2.0	20±1.20	±0.75	20	1.20	0.2	3	50
1538RA-30	0.5-2.0	20±1.20	±0.75	20	1.20	0.2	3	50
1540RA-20	1.0-4.0	20±1.00	±0.30	20	1.25	0.25	3	50

\* Coupling includes frequency flatness. Coupling measurement is referenced to the Input Port.  
\*\* Peak and average power handling capability only apply if the main line is terminated in a 1.25 maximum SWR for 10 dB models and 1.75 for 20 and 30 dB models.

### Terminations

Model Number	Connector Type	Frequency Range (GHz)	Average Power (Watts)	Peak Power (kW)	SWR <sup>1</sup>
1404N	N	dc-18.0	1	1	1.02-1.08
1406A	SMA	dc-18.0	2	0.5	1.05-1.21
1408	SMA	dc-18.0	2	0.5	1.04-1.15
1419	SMA	dc-18.0	10	1	1.20-1.35
1424	N	dc-12.4	5	5	1.03-1.40
1427	N	dc-10.0	25	5	1.10-1.15
1426	N	dc-8.0	50	5	1.20-1.30
1436R 1437R	SMA	dc-3.0	1.5 2	0.5 0.75	1.08-1.15
1451	2.92mm	dc-40.0	1	0.5	1.15-1.25
1455	N	dc-18.0	2	1	1.10-1.20
RS3016	SMA	dc-18.0	1	0.25	1.05-1.21

### Inside dc Blocks

Model Number	Connector Type	Frequency Range (GHz)	Voltage Rating (max)	SWR <sup>1</sup>	Insertion Loss (dB)
7003	N	0.01-18.0	+50 V	1.35	0.8
7006	SMA	0.01-18.0	+50 V	1.35	0.8

### Resistive Power Splitters & Dividers

Model NO.	Type	Frequency Range (GHz)	MAX Input Power CW (W)	Insertion Loss (MAX dB)	SWR <sup>1</sup>	Connector TYPE
1506A	Divider	dc-18.0	1	7.5	1.25-1.35	Type N (M/F)
1507R	Splitter	dc-4.0	1	6.5	1.15-1.25	SMA (F)
1515	Divider	dc-18.0	1	7.5	1.25-1.35	SMA (M/F)
1579	Splitter	dc-26.5	0.5	8.5	1.25-1.35 <sup>2</sup>	3.5 mm (F)
1580	Divider	dc-26.5	1	8.5	1.25-1.7	3.5 mm (M/F)
1870	Splitter	dc-18.0	1	7.5	1.30	Type N (M/F)

### Precision Adapters

Model Number	Connector Type	Frequency Range (GHz)	SWR <sup>1</sup> (Maximum)	Insertion <sup>1</sup> Loss (dB)	Repeatability <sup>1</sup>
1568, -1	SMA Bulkhead (f-f)	dc-26.5	1.15-1.25	<0.20-0.35	0.010-0.020
1587	SMA (f-f)	dc-26.5	1.15-1.20	<0.20-0.35	0.010-0.020
1588	SMA (m-f)	dc-26.5	1.15-1.20	<0.20-0.35	0.010-0.020
1589	SMA (m-m)	dc-26.5	1.15-1.20	<0.20-0.35	0.010-0.020

1. Varies with frequency. 2. Equivalent Source SWR.