Special devices

Feed through termination BNC - 50 and 75 Ohms

Frequency DC to (GHz)	VSWR max.	Return loss min. (dB)	Power		VSWR max.	Connectors main / coupled	Part Number
			Ave.(W)	Peak(W)			
1	1.35	16.5	2	1,000	50±5%	m / f straight	R405 005 000
1	1.35	16.5	2	1,000	50±5%	m / f right angle	R405 035 000
1	1.35	16.5	2	1,000	75±5%	m / f straight	R405 006 000

Wide band detectors(all detectors use Schottky zero bias diode. They are 50 Ohms -12dBm. CW = 200 mw, peak power 2 W)

Frequency (GHz)	Connectors		Part Number	
	Input HF	Output Video	Negative	Positive
0.01 - 18	SMA m	SMB m	R451 533 000	R451 533 500
0.01 - 18	SMA m	SMC m	R451 534 000	R451 534 500
0.01 - 18	SMA m	SMA f	R451 542 000	R451 542 500
0.01 - 18	SMA m	pin	R451 543 000	R451 543 500
0.01 - 18	SMA m	BNC f	R451 544 000	R451 544 500
0.01 - 12.4	N m	BNC f	R451 574 000	R451 574 500
0.01 - 18	N m	BNC f	R451 576 000	R451 576 500
2.45	N m	BNC f	R451 572 120	

High sensibility detectors(all detectors use Schottky zero bias diode. They are 50 Ohms -12dBm. CW = 200 mw, peak power 2 W)

Frequency (GHz)	Connectors		Part Number	
	Input HF	Output Video	Negative	Positive
1 - 18	SMA m	SMB m	R451 030 000	R451 030 500
1 - 18	SMA m	SMC m	R451 031 000	R451 031 500
1 - 18	SMA m	SMA f	R451 032 000	R451 032 500
1 - 18	SMA m	Pin	R451 033 000	R451 033 500
1 - 18	SMA m	BNC f	R451 034 000	R451 034 500

Diode holder detectors

Frequency (GHz)	Connectors		Part Number	
	Input HF	Output Video	Negative	Positive
0.01 - 4	N m	BNC f	R451 570 000	R451 570 500
0.01 - 10	N m	BNC f	R451 075 000	

Rotary joints

Frequency DC to (GHz)	VSWR max.	Max V.S.W.R. variation per turn	Insertion Loss (dB) Max.	Power max	Part Number
18	1.5	1.02	0.60	50	R447 120 000
18	1.5	1.02	0.80	40	R447 171 000

Special devices

DC blocks : inner conductor block Type

Frequency (GHz)	Capacitance (pF)	VSWR max.	Insertion Loss (dB) Max.	Connectors	Main line Max DC Voltage (Volts)	Part Number
0.01 - 6	4700	1.30	0.50	SMA m/f	63	R443 131 000
1 - 12.4	100	1.25	0.50	SMA m/f	300	R443 134 000
0.01 - 6	4700	1.30	0.50	BNC m/f	63	R443 141 000
0.01 - 6	4700	1.30	0.50	TNC m/f	63	R443 151 000
0.01 - 6	4700	1.30	0.50	N m/f	63	R443 171 000
0.01 - 6	4700	1.30	0.50	QMA m/f	63	R443 191 000
0.5 - 22	180	1.25	0.50	SMA m/f	100	R443 137 000
0.1 - 40	180	1.35	0.60	SMA2.9	100	R443 162 000

Monitor tees

Frequency (GHz)	Nominal capacity (pF)	VSWR max.	Insertion Loss (dB) Max.	Max average Power (W)	Connectors	Part Number
0.01 - 1.5	15000	1.30	0.25	50	SMA	R443 530 000
0.9 - 3	10	1.25	0.25	10	SMA	R443 533 480
1.5 - 6	10	1.20	0.40	40	SMA	R443 533 000
6 - 12.4	3.5	1.35	0.50	40	SMA	R443 536 000

Signal samplers

Frequency DC to (GHz)	Coupling Variation (W)	VSWR max.	Insertion Loss (dB) Max.	Connectors main line	Connector coupled line	Part Number
12.4	6 / Octave	1.50	0.20	N male/female	BNC	R435 270 000 [1]
12.4	6 / Octave	1.50	0.20	N male/female	BNC	R435 170 000 [2]
12	6 / Octave	1.50	0.20	N male/female	BNC	R435 470 000 [3]

[1] Loop probe, [2] Resistive loop probe, [3] Capacitive probe

Phase shifters

Frequency DC to (GHz)	Total phase variation	VSWR max.	Connectors	Part Number
18	180° (18GHz)	1.30	SMA male / female	R499103000
18	180° (18GHz)	1.30	SMA male to S.R. .141 cable	R499101000