

2602, 2603, 2604 & 2610 2.6GHz Passives 2.6GHz Splitters & Directional Couplers



The RMS 2.6GHz passives are available in 2-way, 3-way, 4-way & single port directional coupler configurations. They utilize the RMS heavy-duty SCTE compliant housing and one port is power passing (input to output).

Features:

- Bandwidth 5MHz to 2.6GHz
- RFI Shielding >-120dB
- Micro-strip designed PCB for consistency of specifications and superior total bandwidth characteristics
- Premium ferrites, resistors and capacitors
- Laminated ID label that will not fade
- Zinc housing that is chromated and plated for maximum corrosion resistance
- Precision machined "F" ports
- Each unit is individually packaged
- Modified 360 degree contacts that offer excellent contact between coax and F61 also has an excellent wiping action
- Concave solder back design assures 100% sealing of back plate to the housing and prevents pinholes
- Excellent insertion loss, isolation (port/port) & return loss (input/output)
- 100% Quality control at our factory
- One port power passing 1A @ 15VDC
- CE approved

RMS Communications Inc

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2602, 2603, 2604 & 2610 2.6GHz Passives

2.6GHz Splitters & Directional Couplers

Specifications 2.6GHz Splitters		2602SWSBSCTE		2603SWSBSCTE		2604SWSBSCTE	
Parameter	Freq (Mhz)	QA Spec -dB	Typical -dB	QA Spec -dB	Typical -dB	QA Spec -dB	Typical -dB
Insertion Loss (Max dB)	10-76	4.0	3.6	6.0	5.8	8.0	7.7
	76-770	4.2	3.9	6.5	5.6	8.5	8.2
	770-1335	4.8	4.5	8.0	7.2	9.0	8.6
	1335-2150	5.8	5.5	9.5	9.0	11	10.7
	2150-2602	8.5	7.5	12.5	11	15	13
Isolation (Min dB)	10-76	12	14	12	15	18	20
	76-770	20	22	18	20	20	25
	770-1335	16	18	16	20	18	20
	1335-2150	15	18	15	18	18	18
	2150-2602	15	18	15	18	15	18
Return Loss Input/Output (Min dB)	10-76	12	16	12	15	12	13
	76-770	12	16	10	14	12	13
	770-1335	9	14	8	12	12	13
	1335-2150	9	14	8	12	10	13
	2150-2602	7	12	7	10	8	11

Specifications 2.6GHz Directional Cplrs		2610DCSCTE-10		2610DCSCTE-15		2610DCSCTE-20	
Parameter	Freq (Mhz)	QA Spec -dB	Typical -dB	QA Spec -dB	Typical -dB	QA Spec -dB	Typical -dB
Insertion Loss (Max dB)	10-47	1.5	1.4	1.2	1.1	1.0	0.9
	47-1000	1.5	1.4	1.2	1.1	1.0	0.9
	1000-1350	1.5	1.4	1.5	1.4	1.5	1.3
	1350-1750	2.2	2.1	2.1	1.9	1.9	1.7
	1750-2050	2.6	2.4	2.4	2.2	2.3	2.1
	2050-2600	3.5	3.2	3.1	2.9	3.1	2.9
Tap Loss +/-	10-47	10+/-1.5	10+/-1.3	15+/-1.5	15+/-1.2	20+/-1.5	20+/-1.3
	47-1000	10+/-1.5	10+/-1.3	15+/-1.5	15+/-1.2	20+/-1.0	20+/-0.8
	1000-1350	10+/-1.5	10+/-1.3	15+/-1.5	15+/-1.3	20+/-1.0	20+/-0.8
	1350-1750	11+/-1.5	11+/-1.3	15+/-1.5	15+/-1.2	20+/-1.5	20+/-1.3
	1750-2050	11+/-1.5	11+/-1.2	15+/-2.0	15+/-1.8	20+/-2.0	20+/-1.7
	2050-2600	12+/-1.5	12+/-1.3	15+/-2.5	15+/-2.0	20+/-2.5	20+/-2.0
Output to Tap Isolation (Min dB)	10-47	20	22	23	25	25	27
	47-1000	23	24	23	25	25	27
	1000-1350	23	25	23	25	24	26
	1350-1750	20	22	21	24	20	23
	1750-2050	20	22	20	22	20	23
	2050-2600	18	20	19	21	19	21
Return Loss Input/Output/Tap (Min dB)	10-47	15	17	15	17	15	17
	47-1000	15	17	15	17	15	17
	1000-1350	14	15	14	16	14	16
	1350-1750	14	15	14	16	14	16
	1750-2050	12	13	12	14	12	13
	2050-2600	12	13	12	14	12	13
RFI (Min)	5 - 2.6GHz	-120	-120	-120	-120	-120	-120
Power Passing		<-----	-----	1A/15VDC	-----	-----	----->
Impedance		<-----	-----	75 ohm	-----	-----	----->

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