



5002RK & 2002DRAK Splitters

2-Way "Raceway" & "Wall Plate" splitters



The 2002DRAK is a 1GHz "DigiTap" 2-way splitter designed for use in wall plates. It has an extra long output port that can accommodate a 3/8" washer and nut. The 5002RK is a 1GHz "Raceway" splitter designed for risers or where space is limited.

Features:

- Bandwidth 5MHz to 1GHz
- 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
- CE approved

RMS Communications Inc

11516 Downs Road, Pineville, North Carolina. 28134 USA
Toll Free: 1-800-223-8312 - Phone (704) 588-4008

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DigiTap

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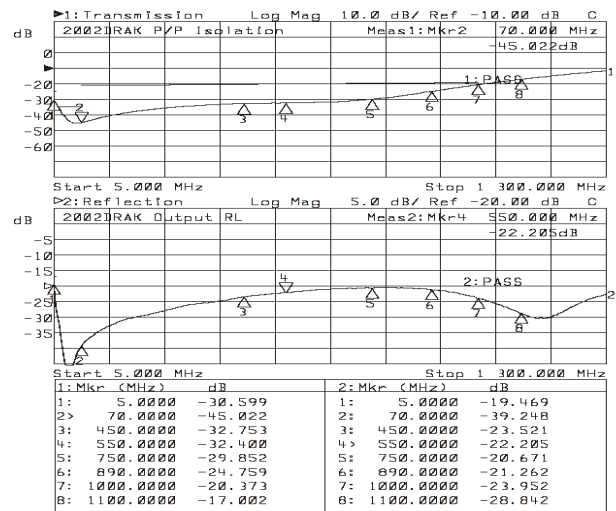
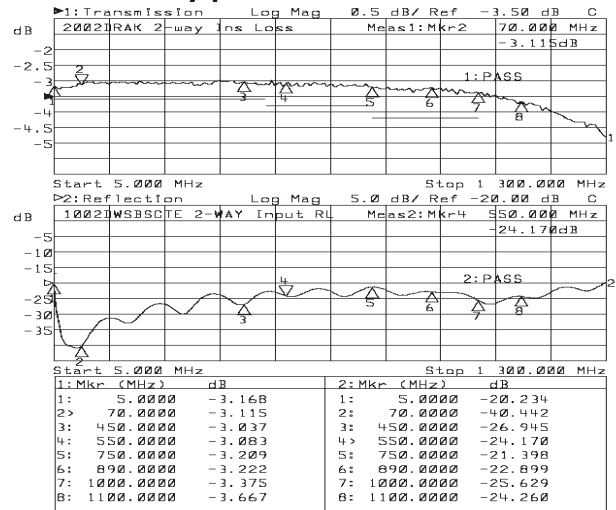
2-Way "Raceway" & "Wall Plate" splitters

Typical Plots

Specifications 2002DRAK		QA Spec	Typical	
Parameter	Freq (MHz)	-dB	-dB	
Insertion Loss (Max dB)	5-10	3.8	3.5	
	10-50	3.7	3.5	
	50-450	3.6	3.4	
	450-750	3.8	3.7	
	750-1GHz	4.3	3.9	
Isolation (Min dB)	5-10	22	24	
	10-50	30	32	
	50-450	22	24	
	450-750	21	24	
	750-1GHz	21	23	
Return Loss	5-10	16	20	
	Input (Min dB)	10-50	20	22
		50-450	20	22
		450-750	20	22
		750-1GHz	18	20
Return Loss	5-10	17	18	
	Output (Min dB)	10-50	20	22
		50-450	20	22
		450-750	20	22
		750-1GHz	18	20
Harmonics (1)	40-1GHz	-110dBc	-115dBc	
2nd Higher order beats (2)	40-1GHz	-105dBc	-110dBc	
RFI (Min)	5-1000MHz	-120	-120	
Surge Protection	-----	1KV (100KHz ring wave)		
Temp Range	-----	-10C to +70C		
Impedance	-----	75 Ohm		

(1) One 60dBmV signal in the return path

(2) Two 60dBmV signal in the return path



Typical Plots

Specifications 5002RK		QA Spec	Typical
Parameter	Freq (MHz)	-dB	-dB
Insertion Loss (Max dB)	5-10	3.5	3.3
	10-750	3.8	3.5
	750-1GHz	4	3.8
Isolation (Min dB)	5-10	20	22
	10-750	25	26
	750-1GHz	22	24
Return Loss	5-10	18	18
	Input/Output (Min dB)	10-750	20
		750-1GHz	16

