



HFR Tongue & Groove 1GHz Splitters

2-Way, 3-Way (Balanced & Un-balanced) & 4-Way



These heavy duty tongue & groove (T & G) splitters are ideal for standard installations. They are available in 2-Way (HFR-2, 3-Way balanced (HFR-3), 3-Way Unbalanced (HFR-3UB and 4-Way HFR-4).

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
- Zinc housing that is chromated and plated for maximum corrosion resistance
- Precision machined “F” ports that are SCTE compliant
- Each unit is individually packaged with mounting screws
- 100% quality control at our factory
- Dual flush mounting tabs for easy installation
- Integrated heavy duty grounding screw
- Modified 360 degree contacts that offer excellent contact between coax and F61 also has an excellent wiping action
- T & G backplate design assures 100% sealing of back plate to the housing
- Excellent insertion loss, isolation (port/port) & return loss (input/output)
- CE approved

RMS Communications Inc

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

Page 21

Deluxe Splitter

HFR Tongue & Groove 1GHz Splitters



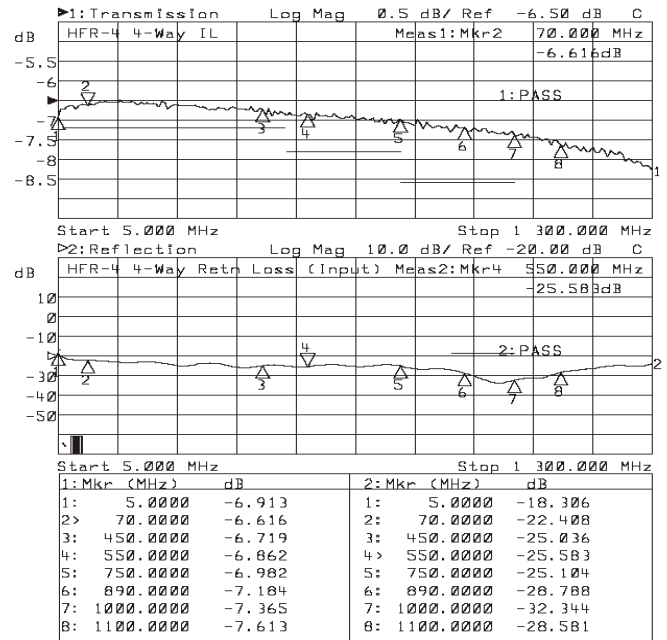
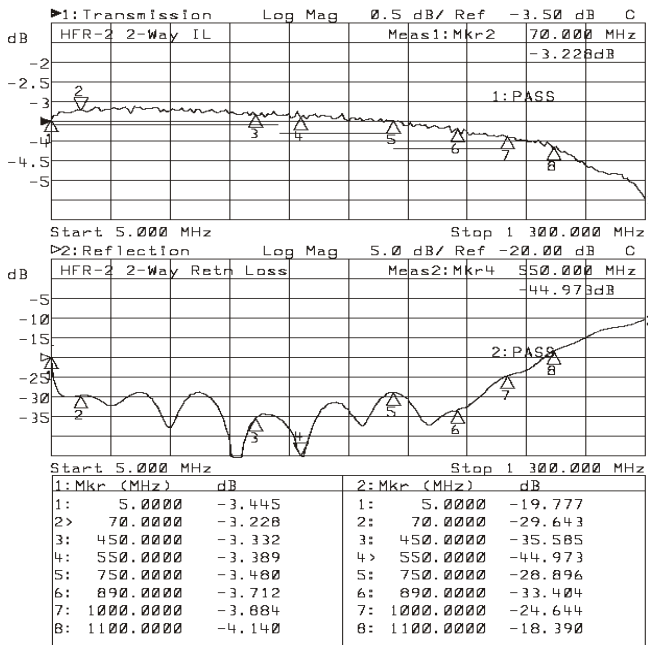
HFR Tongue & Groove 1GHz Splitters

2-Way, 3-Way (Balanced & Un-balanced) & 4-Way

Specifications RMS HFR-2/3/4

Parameter	Freq (MHz)	HFR-2		HFR-3		HFR-3UB		HFR-4	
		QA	Typical	QA	Typical	QA	Typical	QA	Typical
Insertion (Max dB)	5 - 10	3.5	3.3	3.5/6.8	3.3/6.5	6.2	6.0	6.8	6.5
	10 - 15	3.5	3.3	3.5/6.8	3.3/6.5	5.8	5.7	6.9	6.6
	15 - 70	3.6	3.4	3.6/6.9	3.5/6.7	5.7	5.6	7.0	6.7
	70 - 500	4.0	3.5	3.8/7.0	3.6/6.7	5.7	5.5	7.1	6.8
	500 - 750	4.1	3.5	4.0/7.5	3.7/7.0	6.8	6.0	7.5	7.2
Isolation (Min dB)	5 - 10	20	22	20	25	15	16	20	25
	10 - 15	21	22	21	26	16	17	21	26
	15 - 70	21	23	22	27	17	18	22	27
	70 - 500	22	24	25	28	20	21	24	28
	500 - 750	23	24	20	25	22	23	20	25
Return Loss (Input) (Min dB)	5-10	15	16	15	17	15	16	15	16
	10-500	20	22	18	20	18	18	18	20
	500-1000	18	20	15	16	15	16	16	18
Return Loss (Output) (Min dB)	5-10	15	16	15	17	15	16	16	16
	10-500	20	22	18	20	18	18	18	20
	500-1000	18	20	15	16	15	16	16	18
RFI (Min dB)	5-1000MHz	>-120	>-120	>-120	>-120	>-120	>-120	>-120	>-120
Surge Protection	1KV ring wave surge								
Water Proof Test	>10psi								
Impedance	75 Ohm								

Typical Plots



RMS Communications Inc

11516 Downs Road, Pineville, North Carolina. 28134 USA

Toll Free: 1-800-223-8312 - Phone (704) 588-4008