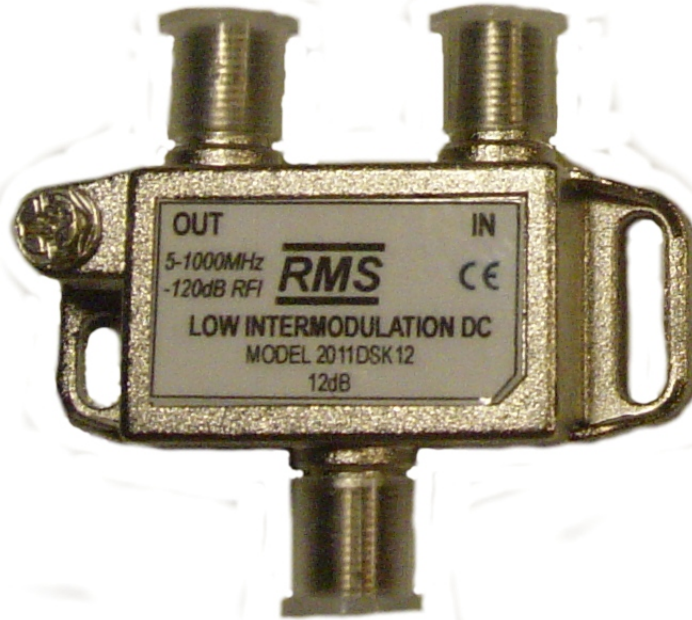




# 2011DSK\* Horizontal Directional Coupler

Low Intermod DigiTap



The 2011DSK\* is designed for installations requiring a directional coupler with high port/port isolation, and an excellent IM spec such as lab, headend and drop installations. It utilizes our heavy duty SCTE compliant raised 2-way splitter housing which offers many features.

## 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
- SCTE compliant housing & "F" ports
- Each unit is individually packaged with mounting screws & F port protectors
- Raised housing prevents moisture gathering on backplate
- Dual flush mounting tabs and ground screw for easy installation
- 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, tap loss, isolation (port/port) & return loss (input/output)
- \*Available dB values 6dB, 9dB, 12dB, 16dB & 20dB
- CE approved

**RMS Communications Inc**

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Specifications 2011DSK * Indicates dB Value						
Parameter	Frequency MHz	6dB	9dB	12dB	16dB	20dB
Tap Loss +/- (dB)	5-10	7 +/- 1.3	9 +/- 1.3	12 +/- 1.3	16 +/- 1.5	20 +/- 1.5
	10-15	7 +/- 1.0	9 +/- 1.2	12 +/- 1.0	16 +/- 1.5	20 +/- 1.5
	15-70	6 +/- 1.5	9 +/- 1.0	12 +/- 1.1	16 +/- 1.1	20 +/- 1.1
	70-300	6 +/- 1.0	9 +/- 1.0	12 +/- 1.1	16 +/- 1.1	20 +/- 1.1
	300-600	6 +/- 1.0	9 +/- 1.0	12 +/- 1.1	16 +/- 1.1	20 +/- 1.1
	600-750	6 +/- 1.2	9 +/- 1.3	12 +/- 1.3	16 +/- 1.3	20 +/- 1.3
	750-860	6 +/- 1.2	9 +/- 1.4	12 +/- 1.4	16 +/- 1.4	20 +/- 1.3
	860-1GHz	6 +/- 1.3	9 +/- 1.5	12 +/- 1.4	16 +/- 1.4	20 +/- 1.3
Insertion Loss (Max dB)	5-10	2.8	2.0	1.4	1.4	1.4
	10-15	2.8	1.9	1.3	1.3	1.3
	15-70	2.7	1.8	1.2	1.2	1.2
	70-300	2.6	1.8	1.2	1.2	1.2
	300-600	2.7	1.8	1.3	1.3	1.3
	600-750	2.7	1.9	1.4	1.4	1.4
	750-860	2.7	2.1	1.5	1.5	1.5
	860-1GHz	2.8	2.3	1.6	1.6	1.6
Isolation Output to Tap (Min dB)	5-10	25	25	25	30	30
	10-15	28	25	25	30	35
	15-70	25	30	32	33	35
	70-300	22	30	30	30	30
	300-600	22	26	30	30	30
	600-750	22	25	28	28	28
	750-860	20	22	25	26	26
	860-1GHz	20	20	24	25	25
Return Loss Input/Output & Tap (Min dB)	5-10	17	17	18	18	18
	10-15	18	18	18	18	18
	15-70	18	18	18	18	18
	70-300	18	18	18	18	18
	300-600	18	18	18	18	18
	600-750	18	18	18	18	18
	750-860	18	18	18	18	18
	860-1GHz	18	18	18	18	18
RFI Min	5MHz-1GHz	-----	-----	-120dB	-----	-----
Temperature Range	5MHz-1GHz	-----	-----	-40C to +70C	-----	-----
Spurious Signals Incl 2nd Harmonics (D Version Only)		----- -45dBmV after 6KV ring wave surge Measured with a 55dBmV return input carrier				
Waterproof		-----	-----	10psi	-----	-----
Impedance		-----	-----	75 Ohm	-----	-----

Please note that the above specifications are our "QA Spec" or worst case values - The "Typical Spec" will be higher.  
Specifications are subject to change.

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