



# 9016DK\* MDU Splitter/Combiner

8-Way, 12-Way & 16-Way MDU Passives

Now 9016DK  
6KV Surge  
Protected  
(C62.41 Cat A3)



The RMS 9016DK\* is a 16-Way splitter that can be used as splitter/combiner. It has many excellent features including neoprene sealed brass F ports, >-110dBc IM spec, low profile, excellent port/port isolation, return loss and very flat tap loss.

## Features:

- Bandwidth 5MHz to 1GHz
- RFI Shielding >-110dB
- 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
- Aluminum housing that is powder coated for maximum corrosion resistance
- Precision machined brass "F" ports
- Each unit is individually boxed with mounting screws & F port protectors
- Capacitors on all ports for hum/IM2 (9016DK)
- Low profile design
- Four mounting holes for ease of installation
- Each "F" port is clearly numbered
- Dual integrated heavy duty ground screw
- Modified 360 degree contacts that offer excellent contact between coax and F61 also has an excellent wiping action
- Spacing between "F" ports is in compliance with SCTE specifications so that traps/filters ect. can be installed
- Excellent insertion loss, isolation (port/port) & return loss (input/output)
- Heavy duty epoxy sealed T&G back-plate will not warp or bend
- CE approved

\*Also available in 8-Way (9008K) and 12-Way (9012K)

**RMS Communications Inc**

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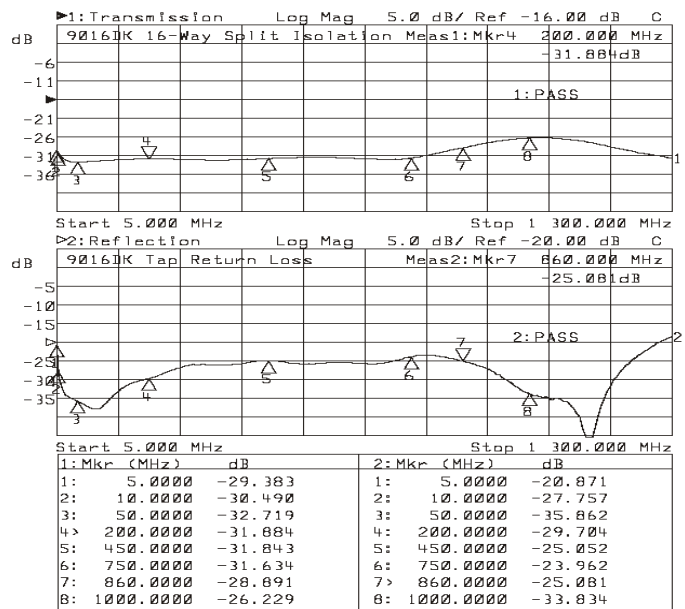
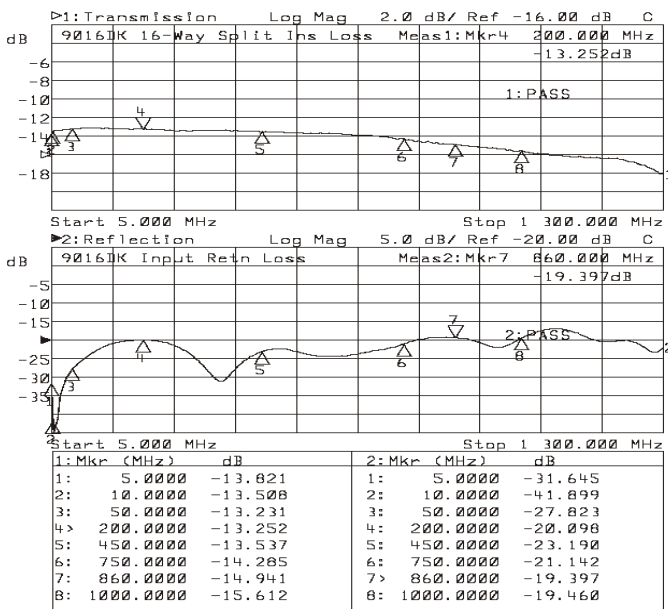


# 9016DK\* MDU Splitter/Combiner

## 8-Way, 12-Way & 16-Way MDU Passives

Specifications Parameter	Frequency MHz	9016DK QA Spec	9016DK Typical Spec	9008K QA Spec	9008K Typical Spec	9012K QA Spec	9012K Typical Spec
Insertion Loss (Maximum dB)	5 - 10	13.5 +/- 0.6	13.5 +/- 0.5	10.0 +/- 0.5	10.0 +/- 0.4	13.5 +/- 0.6	13.5 +/- 0.4
	10 - 50	14.0 +/- 1.5	14.0 +/- 1.2	10.5 +/- 1.0	10.5 +/- 0.8	14.0 +/- 1.5	14.0 +/- 1.0
	50 - 450	14.0 +/- 1.5	14.0 +/- 1.2	10.5 +/- 1.0	10.5 +/- 0.8	14.0 +/- 1.5	14.0 +/- 1.0
	450 - 750	14.0 +/- 1.5	14.0 +/- 1.2	10.5 +/- 1.0	10.5 +/- 0.8	14.0 +/- 1.5	14.0 +/- 1.0
	750 - 1000	15.0 +/- 1.5	15.0 +/- 1.2	10.5 +/- 1.2	10.5 +/- 1.0	15.0 +/- 1.8	15.0 +/- 1.1
Isolation (Minimum dB)	5 - 10	22	25	20	23	20	23
	10 - 50	25	28	23	26	23	26
	50 - 450	25	28	23	26	23	26
	450 - 750	25	28	23	26	23	26
	750 - 1000	22	25	20	22	20	23
Return Loss Input (Minimum dB)	5 - 10	18	20	16	17	16	17
	10 - 50	18	20	18	19	16	17
	50 - 450	18	20	18	19	16	17
	450 - 750	18	20	18	19	16	17
	750 - 1000	16	18	16	17	16	17
Return Loss Output (Minimum dB)	5 - 10	18	20	16	17	16	17
	10 - 50	20	22	18	19	18	19
	50 - 450	20	22	18	19	18	19
	450 - 750	20	22	18	19	18	19
	750 - 1000	18	20	16	17	16	17
RFI	5 - 1000	-110	-115	-95	-100	-95	-100
Harmonics** (dBc Minimum)	40 - 1000	-110	-115	-95	-100	-95	-100
(one 60dBm Signal In Return Path)							
2nd & Higher Order Beats (dBc Min)	40 - 1000	-105	-112	-90	-95	-90	-95
(two 60dBm Signal In Return Path)							
Surge Protection		6KV ring wave surge C62.41A3		N/A	N/A	N/A	N/A
Impedance	5 - 1000	75 Ohm	75 Ohm	75 Ohm	75 Ohm	75 Ohm	75 Ohm

### Typical Plots 9016DK



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