

RESISTIVE-2 WAY SMA DIVIDERS/COMBINER, POWER DC-18 GHz

SERIES D200

GENERAL INFORMATION

The maximum power rating of the 3 internal resistors is 0.5 KW peak 0.25 W Avg. The internal resistors are arranged in a delta formation. When used as a divider, two branches of the delta each dissipate one quarter of the power at the input. Microminiature chip film resistors are used to optimize phase & amplitude balance performance.

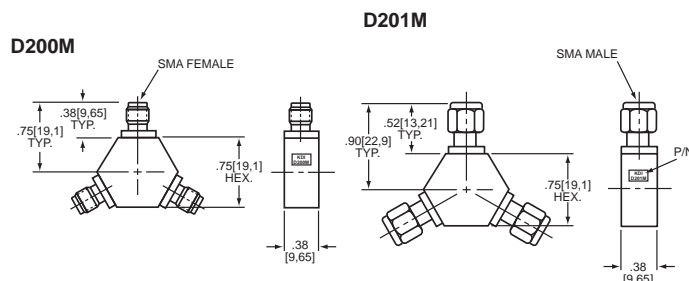
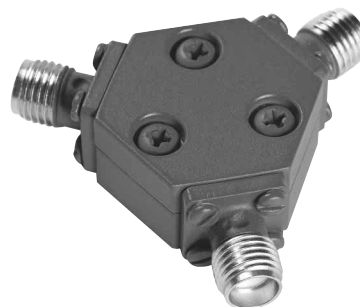
GENERAL SPECIFICATIONS

Connectors:	SMA
Maximum Input Power:	.25 W Avg.
Impedance:	50 Ohms
Environment:	MIL-E-5400, MIL-STD-202
Temperature Range:	-55°C to +125°C
Frequency:	DC-18 GHz
Phase Balance:	±5 degrees
Amplitude Balance:	±0.25 dB
Minimum Load Isolation:	6 dB

PERFORMANCE SPECIFICATIONS

VSWR	Freq. (GHz)	Transmission Loss (dB)*
1.35	DC-2	6.5
1.50	2-4	7.0
1.70	4-18	7.5

*Includes loss due to division



IN-PHASE 2-WAY SMA DIVIDERS/COMBINER, POWER 1.0-18 GHz

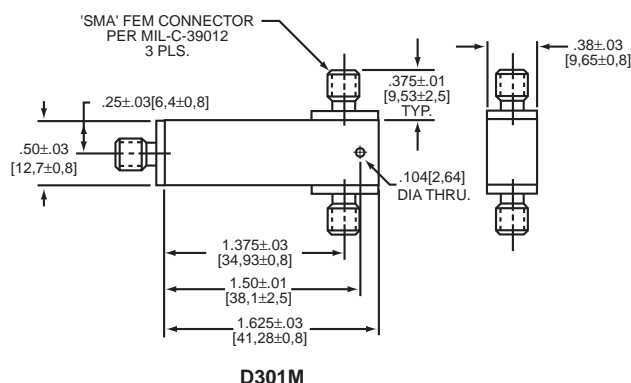
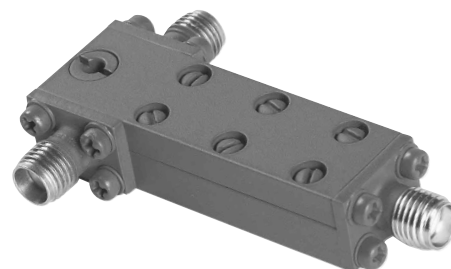
MODEL D301M

GENERAL SPECIFICATIONS

Frequency Range:	1.0 to 18.0 GHz
RF Impedance:	50 Ohms
RF Power:	The power handling capability for load VSWR's less than 1.50 is 1 watt CW and 1kW peak for frequencies up to 2.0 GHz, and 400 mW CW and 0.4 kW peak for frequencies from 2.0 GHz to 18.0 GHz.
Operating Temperature:	-55°C to +85°C
Connectors:	SMA Female

ELECTRICAL PERFORMANCE

Model No.	Frequency Range GHz	Maximum In/Out VSWR	Maximum Insertion Loss dB	Minimum Isolation dB	Phase Balance Degrees	Amplitude Balance dB
D301M	1.0-1.5	1.70/1.30	0.5	12	1	0.2
	1.5-2.0	1.60/1.30	0.5	15	1	0.2
	2.0-4.0	1.50/1.30	0.4	20	1	0.2
	4.0-8.0	1.50/1.40	0.5	18	2	0.2
	8.0-12.0	1.50/1.40	0.8	16	3	0.2
	12.0-16.0	1.60/1.50	0.9	15	4	0.3
	16.0-18.0	1.70/1.60	1.2	12	7	0.4



KEY: Inches[Millimeters] .XX ±.03 .XXX ±.010 [.X ±0.8 .XX ±0.25]



60 South Jefferson Road, Whippany, NJ 07981
Tel: 973-887-8100 • Fax: 973-884-0445
E-Mail: kdisales@aol.com
See us on the web @ www.kditriangle.com