

Couplers

50 Years of
Excellence

High Power 100 Watt Directional Coupler

Applications

- **EW Systems**
100 Watt TWT Power Monitor Circuits,
BIT Circuits, Jammers
- **Test Equipment/ATE**
- **Power Amplifier Control**
- **Radar-Transmitter Circuits**
- **100 Watt Miniature Stripline Design**



Features

- **Broadband – 6 to 18 GHz, High Directivity**
- **Excellent Frequency Flatness**
- **Operates at 85°C Ambient**

Specifications

FREQUENCY RANGE GHz	MODEL	NOMINAL COUPLING dB	MAXIMUM DEVIATION FROM NOMINAL dB	DIRECTIVITY (min) dB	INSERTION LOSS		VSWR		FREQUENCY* SENSITIVITY dB (max)	POWER **		WEIGHT (Max)	
					Excluding Coupled Power (max) dB	True	Primary Line (max)	Secondary Line (max)		Average	Peak	oz	gr
6-18	4196-20	20	±1.0	15	0.55	0.6	1.5:1	1.5:1	±0.6	100W	3kW	.88	25

CONNECTORS: SMA

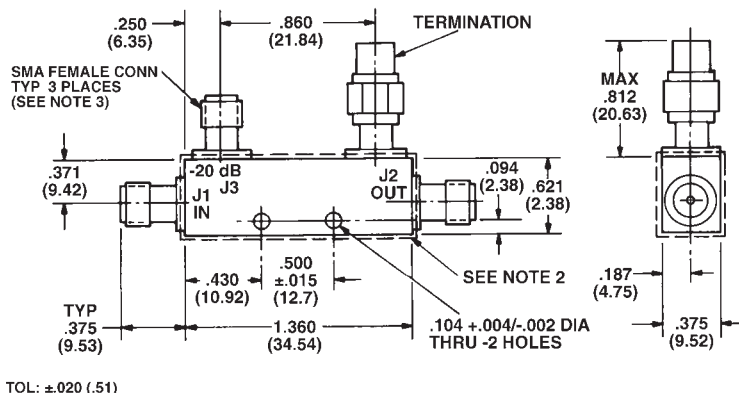
* Frequency Sensitivity is included in Coupling Variation

** Mounted to a Heat Sink (+85° C Max Housing Temperature)

Outline Drawing

NOTES:

1. Dimensions in parentheses are in millimeters and for reference only.
2. Dotted area represents .020 Max buildup of sealant per surface.
3. Connectors mate without interference per MIL-STD-348



TOL: ±.020 (.51)



narda

an RF communications company

435 MORELAND ROAD • HAUPPAUGE, NY 11788
 USA TEL: (1) 631 231-1700 • INT'L TEL: (1) 631 231-1390 • FAX (1) 631 231-1711
 E-MAIL: nardaeast@L-3COM.com • www.nardamicrowave.com