



## HIGH POWER DIRECTIONAL COUPLERS WITH SC CONNECTORS

### FEATURES

- 1kW CW Operation
- SC Main Line Connectors
- 2-8 GHz Operation Usable 1.5 GHz to 10 GHz

### APPLICATIONS

- Power Tube Test Stands
- EW Systems
- Satellite Communication Transmitters
- Power Monitoring and Transmitter Protection Circuits

### 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	
					Excluding Coupled Power (Max) dB	True (Max) dB	Primary Line (Max)	Secondary Line (Max)		AVG. kW	PEAK kW	Oz (Max)	Gr (Max)
2-8 GHz	27002SC	40,50,60 <sup>1</sup>	±1.5	14	0.25	0.25	1.5:1	1.5:1	±1.0	1.0	12.0	24	681
2-8 GHz	27005SC	40,50,60 <sup>1</sup>	±1.5	14	0.25	0.25	1.5:1	1.5:1	±1.0	1.0	12.0	24	681

CONNECTORS: Primary Line Secondary Line  
 Input—SC Male Model 27002SC—N Female  
 Output—SC Female Model 27005SC—SMA Female

<sup>1</sup>Non-standard coupling values in the range of -40 dB to -60 dB are available, contact factory for details.

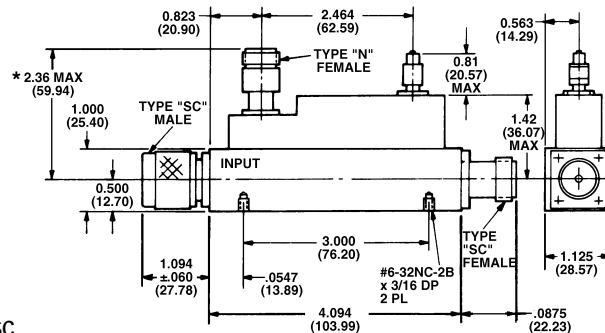
\*Frequency sensitivity is included in coupling deviation specification

NOTE: See page 301 for type N and TNC versions High Power Couplers

### OUTLINE DRAWINGS

#### NOTES:

1. Dimensions in parentheses are in millimeters and for reference only.
2. Connectors mate without interference per MIL-C-39012.



TOL: ±.032 (.76)

\* MODEL 27002SC