50 Years of Excellence



High Power Directional Couplers With SC Connectors

Features

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

Applications

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

Specifications

			MAXIMUM DEVIATION	INSERTION LOSS Excluding			VS	VSWR		JENCY POWER			
FREQUENCY RANGE		NOMINAL COUPLING	FROM Nominal	DIRECTIVITY	Coupled	True	Primary	Secondary	SENSITIVITY**	AVG.	PEAK	WEI	
GHZ	MODEL	dB	dB	(min) dB	Power True (max) dB		Line (max)	Line (max)	dB (max)	kW	kW	oz gr (max)	
2-8 GHz	27002SC	40,50,60*	±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*	±1.5	14	0.25	0.25	1.5:1	1.5:1	±1.0	1.0	12.0	24	681

CONNECTORS:

Primary Line Seconda Input – SC Male Mod

Input – SC Male Mo Output – SC Female Mo

Secondary Line Model 27002SC – N Female Model 27005SC – SMA Female

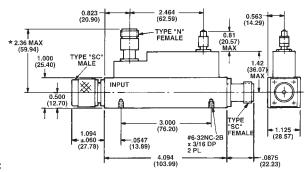
NOTES: All models are available by Special Order. Minimum quantities may apply.

ORDERING INFORMATION: Specify model number and add dash number suffix for nominal coupling in dB. For example: 27002SC-50

Outline Drawing

NOTES:

- 1. Dimensions in parentheses are in millimeters and for reference only.
- Connectors mate without interference per MIL-STD-348.



TOL: ±.032 (.76)

MODEL 27002SC



^{*} 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