

DC Pass, High Power Bi-Directional Coupler

SYBD-ED12713/7

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



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CASE STYLE : JB1233

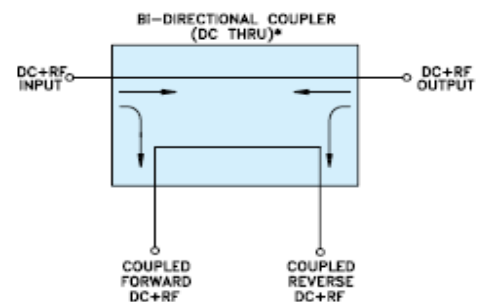
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		400		610 MHz
Coupling	Nominal		28.3±0.8	dB
	Flatness		±2.2	dB
Mainline Loss **	400-610 MHz		0.03	dB
Directivity	400-610 MHz		23	dB
VSWR	400-610 MHz		1.10	(:1)
RF Power Input	400-610 MHz			100 W

Note: ** Mainline loss includes theoretical coupled power loss of 0.0064dB at 28.3dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
DC Current	2A

PIN CONNECTIONS	
INPUT	1
OUTPUT	2
COUPLED FORWARD	4
COUPLED REVERSE	3
GROUND	5

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR BI-DIRECTIONAL COUPLER WITHOUT INTERNAL TRANSFORMERS AND RESISTORS.