

Engineering Development Model

Bi-Directional Coupler

JC-ED12981/1

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.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : 99-01-508

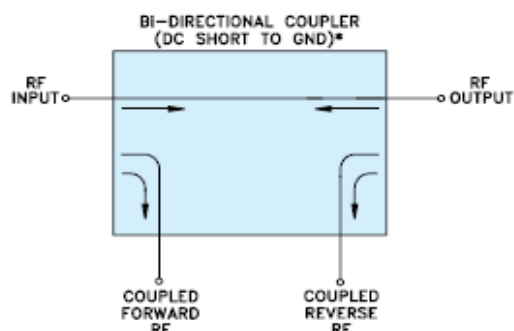
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		3		1200 MHz
Coupling	Nominal		7.5 ± 0.5	dB
	Flatness		± 0.25	dB
Mainline Loss **	3-30 MHz		1.50	dB
	30-600 MHz		1.60	dB
	600-1200 MHz		2.40	dB
Directivity	3-30 MHz		25	dB
	30-600 MHz		21	dB
	600-1200 MHz		11	dB
VSWR	3-1200 MHz		1.32	(:1)
Power Input	3-1200 MHz			0.25 W

Note: ** Mainline loss includes theoretical coupled power loss of 0.85 dB at 7.5 dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C

PIN CONNECTIONS	
INPUT	1
OUTPUT	6
COUPLED FORWARD	3
COUPLED REVERSE	4
NOT USED	5
GROUND	2

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR BI-DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) THAT ROUTES DC FROM RF PORTS TO GROUND.