

Engineering Development Model

Bi-Directional Coupler

BDCA1T-ED13403/1

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 : DZ944-3

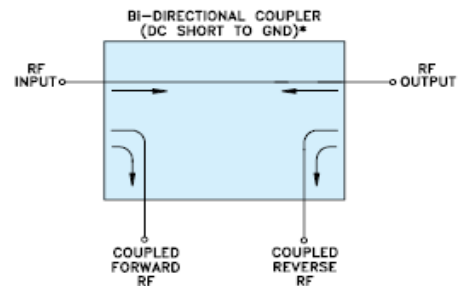
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		700		1300	MHz
Coupling	Nominal		20.5±0.8		dB
	Flatness		±0.8		dB
Mainline Loss*	700-1300 MHz		0.45		dB
Directivity	700-1300 MHz		20		dB
VSWR	700-1300 MHz		1.06		(:1)
RF Power Input	700-1300 MHz			10	W

Note: * Mainline loss includes theoretical coupled power loss of .039 dB at 20.5 dB coupling.

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

PIN CONNECTIONS	
INPUT	1
OUTPUT	6
COUPLED FORWARD	10
COUPLED REVERSE	5
GROUND	2,3,4,7,8,9

Electrical Schematic



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