Engineering Development Model

Bi-Directional Coupler ZFBDC20-ED13224

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 : JD1252

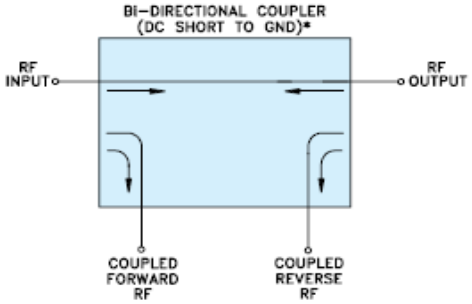
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		**Min.**	**Typ.**	**Max.**	**Units**
Frequency		14		1400	MHz
Coupling	**Nominal**		20 ± 1		dB
	Flatness		± 1.90		dB
Mainline Loss *	**14-140 MHz**		0.20		dB
	140-700 MHz		0.50		dB
	700-1400 MHz		0.70		dB
Directivity	**14-140 MHz**		18		dB
	140-700 MHz		24		dB
	700-1400 MHz		21		dB
VSWR	**14-1400 MHz**		1.3		(:1)
RF Power Input (1)	**14-1400 MHz**			10	W
	40-500 MHz			20	

(1) Over +55°C derate linearly to 50% of rating at 100°C.
Note: * Mainline loss includes theoretical coupled power loss of 0.04 dB at 20 dB coupling.

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

COAXIAL CONNECTIONS	
INPUT	1
OUTPUT	2
COUPLED FORWARD	4
COUPLED REVERSE	3

Electrical Schematic



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