

Engineering Development Model

Bi-Directional Coupler

ZFBDC20-ED13225

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		0.5		200 MHz
Coupling	Nominal		20 ± 1	dB
	Flatness		± 0.15	dB
Mainline Loss *	0.5-5 MHz		0.10	dB
	5-100 MHz		0.15	dB
	100-200 MHz		0.20	dB
Directivity	0.5-5 MHz		46	dB
	5-100 MHz		31	dB
	100-200 MHz		14	dB
VSWR	.5-200 MHz		1.1	(:1)
RF Power Input (1)	.5-200 MHz			10 W
	10-60 MHz			25

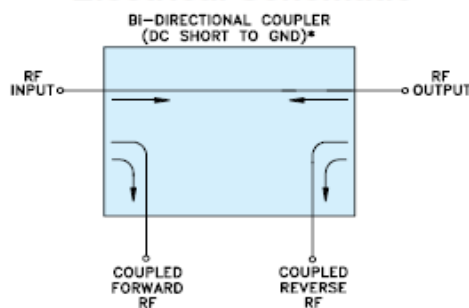
(1) Over +55°C derate linearly to 50% of rating at 100°C.

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.