Engineering Development Model

DC Pass, High Power

Directional Coupler ZGDC10-ED13569

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 : HT1394

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		**Min.**	**Typ.**	**Max.**	**Units**
Frequency		380		3600	MHz
Coupling	**Nominal**		11.3±1.8		dB
	Flatness		±1.2		dB
Mainline Loss (1)	**380-5000 MHz**		0.50		dB
Directivity	**380-5000 MHz**		27		dB
VSWR	**380-5000 MHz**		1.10		(:1)
RF Power Input (2)	**380-2700 MHz**			250	W
	2700-3600 MHz			160	

(1) Mainline loss includes theoretical coupled power loss of 0.335 dB at 11.3 dB coupling.

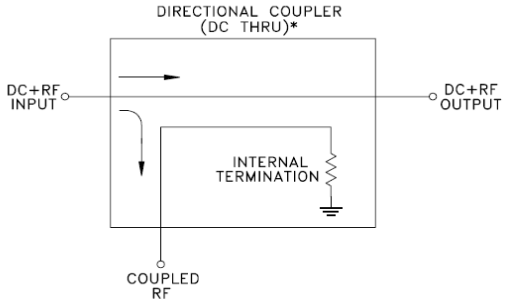
(2) At 20°C, derate linearly to 100W (380-2700 MHz) and to 64W (2700-3600 MHz) from 25°C to 100°C. Output load VSWR 2.0:1 Max.

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
DC Current	3A
Supplied Termination (3)	10W

(3) Derate linearly by 0.18W/°C from 70°C to 100°C

COAXIAL CONNECTIONS	
INPUT	IN
OUTPUT	OUT
COUPLED	CPL
INTERNAL TERMINATION (50 Ω)	TERM

Electrical Schematic



* ELECTRICAL SCHEMATIC FOR DIRECTIONAL COUPLER THAT IS DESIGNED WITHOUT INTERNAL TRANSFORMERS.