

Engineering Development Model

Directional Coupler

DCX-ED13056/1

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 : 99-01-998

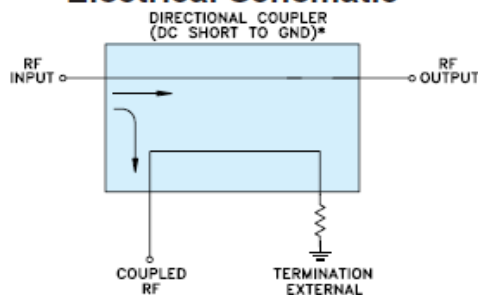
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		0.3		1000 MHz
Coupling	Nominal		11 ± 1	dB
	Flatness		± 0.6	dB
Mainline Loss *	0.3-3 MHz		0.95	dB
	3-500 MHz		0.85	dB
	500-1000 MHz		1.00	dB
Directivity	0.3-3 MHz		32	dB
	3-500 MHz		41	dB
	500-1000 MHz		22	dB
VSWR	0.3-1000 MHz		1.22	(:1)
Power Input	.3-1000 MHz			1 W

Note: * Mainline loss includes theoretical coupled power loss of 0.359 dB at 11 dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C

PIN CONNECTIONS	
INPUT	1
OUTPUT	6
COUPLED	3
50Ω TERM. EXTERNAL	4
GROUND	2,5

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) AND EXTERNAL TERMINATION.