

Non-Catalog Model

Power Splitter/Combiner

ZFSC-8-6

8 Way-0°

Important Note

This is a non-catalog model and can be manufactured on specific request.
Pricing and delivery information can be supplied upon request.



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CASE STYLE : R29

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		0.01		10	MHz
Isolation	0.01 - 0.1 MHz	20	35		dB
	0.1 - 5 MHz	25	40		dB
	5 - 10 MHz	25	35		dB
Insertion Loss Above 9.0 dB	0.01 - 0.1 MHz		0.30	1.00	dB
	0.1 - 5 MHz		0.20	0.60	dB
	5 - 10 MHz		0.30	0.70	dB
Phase Unbalance	0.01 - 0.1 MHz		0.034	4.000	deg.
	0.1 - 5 MHz		0.098	2.000	deg.
	5 - 10 MHz		0.251	3.000	deg.
Amplitude Unbalance	0.01 - 0.1 MHz		0.001	0.400	dB
	0.1 - 5 MHz		0.001	0.200	dB
	5 - 10 MHz		0.006	0.300	dB
VSWR	SUM Port		1.17		(:1)
	OUT Ports		1.06		(:1)

Notes: Matched power rating: 1 Watt.

Internal load dissipation: 0.62 Watt.

Below 0.1 MHz power handling decrease as to typically 15 dBm at 0.01 MHz,
23 dBm at 0.025 MHz, and 29 dBm at 0.05 MHz.

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

PIN CONNECTIONS	
SUM PORT	S(COM)
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4
PORT 5	5
PORT 6	6
PORT 7	7
PORT 8	8

Functional Diagram

