



90° power combiner/splitter Ordering information

P/N	Center Frequency	Bandwidth
●PD2-30	30MHz	20~40MHz
●PD2-60	60MHz	40~80MHz
●PD2-120	120MHz	80~160MHz
●PD2-150	150MHz	100~200MHz
●PD2-300	300MHz	200~400MHz
●PD2-375	375MHz	250~500MHz
●PD2-***	5~375MHz	Octave

Features

- Perfect phase/Amplitude balance
- 50 Ω impedance
- Hermetic TO-8A-1 package
- Operating temperature range: -55°C ~ +85°C

Specifications (measured in a 50 Ω system $T_A = -55^\circ\text{C} \sim +85^\circ\text{C}$)

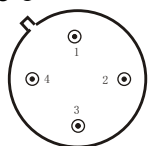
Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	Octave	Octave
Coupling	Coupling	dB	----	-3
Insertion loss	I.L	dB	1.3(Max)	0.8
Isolation	Iso	dB	18 (Min) Δ	22
Phase Balance	ΔP	deg	3° (Max) Δ	2°
Amplitude Balance	ΔM	dB	1.0(Max)	0.6
VSWR	VSWR	----	1.5:1(Max)	1.3:1

" Δ " Measured at $T_c = 24 \pm 1^\circ\text{C}$

Absolute Maximum Ratings

Input Power: 1W

Storage Temp: +125°C



TO-8A-1

1. Output (+90°)
2. Input
3. Isolation port connected to 50 Ω load
4. Output (0°)

Application Notes

1. Input/output pins should be connected to 50 Ω microstrip.
2. See assembly section for mounting information

Typical Performance

