

High Power PCS Transmit Combiners

1930 - 1990 MHz

PD60 PCS Series

V2.00

Features

- Low Loss
- High Power Handling
- Integral Heat Sink
- High Isolation
- Low VSWR
- Low Cost

Description

M/A-COM's High Power PCS Transmit Combiners are designed to provide a low loss method of combining signals from multiple amplifiers or transmitters at PCS frequencies. High power internal components and an integral heat sink enable the devices to combine non-coherent 20-Watt signals. The housing and heat sink are fabricated as one piece for optimum heat transfer and low cost. Microstrip construction offers a design that is cost effective and highly repeatable.

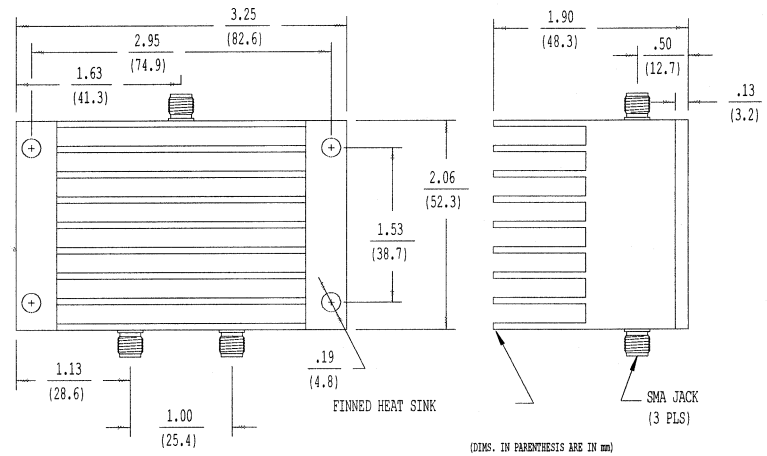


Figure 1

Ordering Information and Typical Performance Specifications 1930-1990 MHz

Part Number	Figure	Channels	VSWR	Insertion Loss	Amplitude Balance	Isolation	Max. Input Power	Forced Air Cooling* CFM (+60°C)
PD60-0008-02S	1	2	1.10:1	0.15dB	0.05dB	27dB	20W/input	10
PD60-0003-04S	2	4	1.10:1	0.27dB	0.08dB	27dB	20W/input	35
PD60-0011-05S	3	5	1.15:1	0.5dB	0.15dB	24dB	20W/input	25
PD60-0012-06S	4	6	1.15:1	0.5dB	0.2dB	26dB	20W/input	30

Operating Temperature: -40° to +60°C. Impedance: 50 Ohms.

*If the input power level or ambient temperature is lowered, the forced air requirement can be reduced.

Options

This device can be provided with type N connectors or increased power handling capability. M/A-COM also offers a wide selection of cost effective devices for combining and dividing any number of channels in popular cellular transmit and receive bands. Please consult our factory for more information.

Figure 2

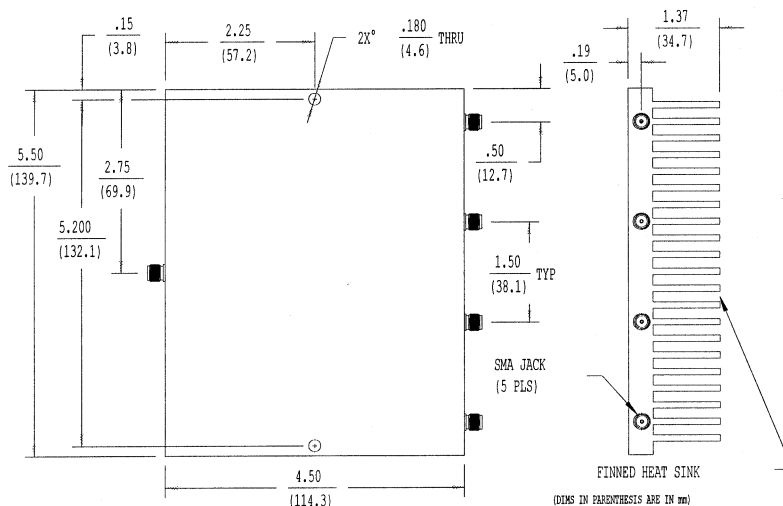


Figure 3

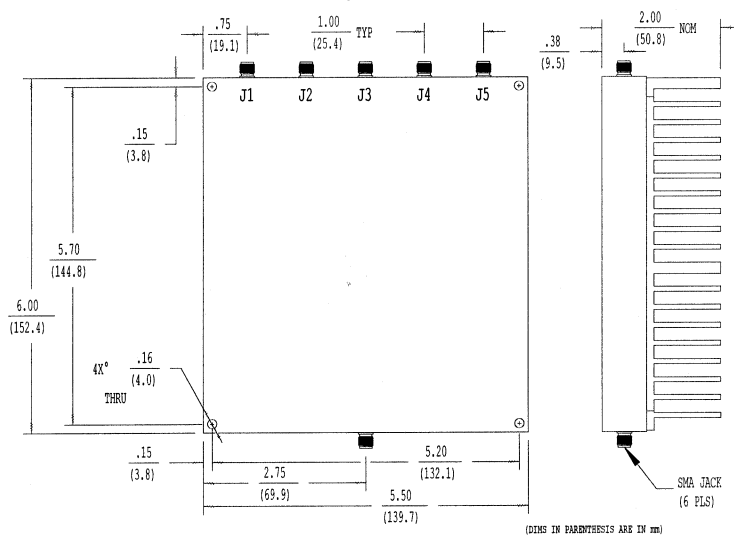


Figure 4

