

High Power, 2 Channel PCS Transmit Combiner

1930 - 1990 MHz PD60-0011-0

PD60-0011-05S

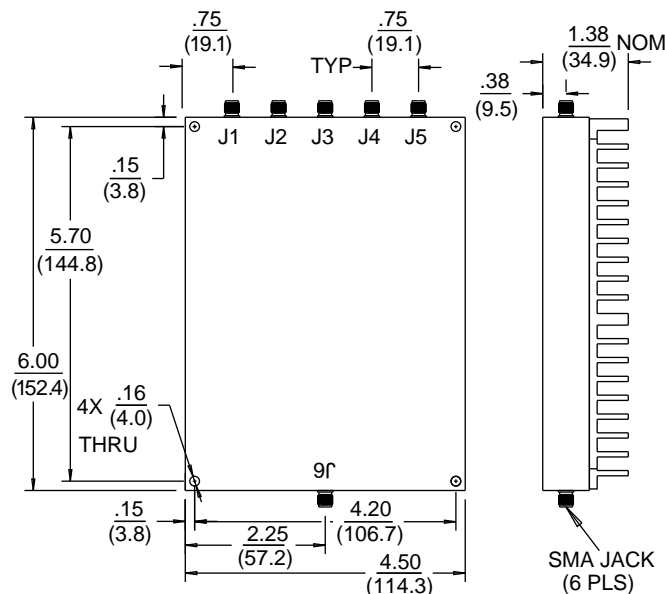
V1.00

Features

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

Description

M/A-COM's PD60-0011-05S is designed to provide a low loss method of combining signals from five amplifiers or transmitters at PCS frequencies. High power internal components and an integral heat sink enables the device to combine non-coherent 20 Watt signals. Microstrip construction offers a design that is cost effective and highly repeatable.



(Dimensions in parenthesis are in mm)

Performance Specifications: 1930-1990 MHz

Parameter	Limit	Typical
Impedance	50 Ohms Nom	—
VSWR	1.35:1 Max	1.15:1
Insertion Loss*	0.8dB Max	0.5dB
Amplitude Balance	0.3dB Max	0.15dB
Isolation	20dB Min	24dB
Max Input Power	20 Watts/Input	—
Operating Temp	-40 to +60°C	—

*Above 7dB Theoretical Combining Loss

The required method of cooling is forced air at 25 CFM at +60°C Max ambient, for five 20 Watt simultaneous inputs. If the input power level or ambient temperature is lowered, the forced air requirement can be reduced.

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.