

High Power, 6 Channel PCS Transmit Combiner 1930 - 1990 MHz

PD60-0012-06S

V1.00

Features

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

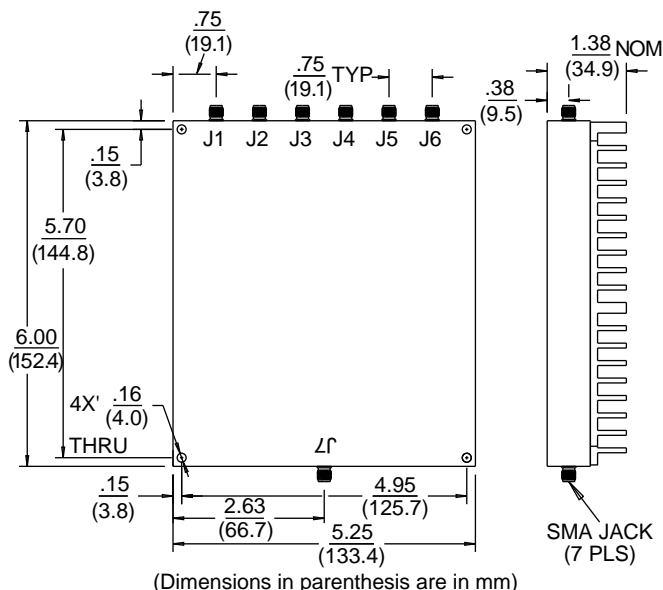
Description

M/A-COM's PD60-0012-06S is designed to provide a low loss method of combining signals from six 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.

Performance Specifications: 1930-1990 MHz

Parameter	Limit	Typical
Impedance	50 Ohms Nom	—
VSWR	1.30:1 Max	1.15:1
Insertion Loss*	0.8dB Max	0.5dB
Amplitude Balance	0.35dB Max	0.20dB
Isolation	20dB Min	26dB
Max Input Power	20 Watts/Input	—
Operating Temp	-40 to +60°C	—

*Above 7.78 dB Theoretical Combining Loss



The required method of cooling is forced air at 30 CFM at +60°C Max ambient, for six 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.