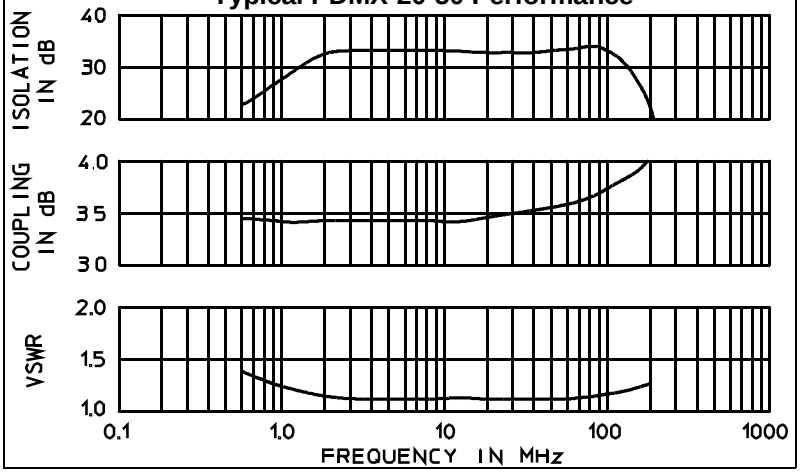
PDMX-20 Series 0°/180°POWER DIVIDERS/COMBINERS

1 to 500 MHz / High Output Port Isolation / Low Insertion Loss / SMA Connectorized Package

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Insertion Loss, dB, Max.	Isolation, dB, Min.	Amplitude Balance, dB, Max.	Phase Balance, Max.	VSWR, Max.
PDMX-20-50	1 - 100	1.0	25	0.3	± 3°	1.3:1
PDMX-20-300	100 - 500	1.2	25	0.5	± 4°	1.4:1

Typical PDMX-20-50 Performance



GENERAL SPECIFICATIONS

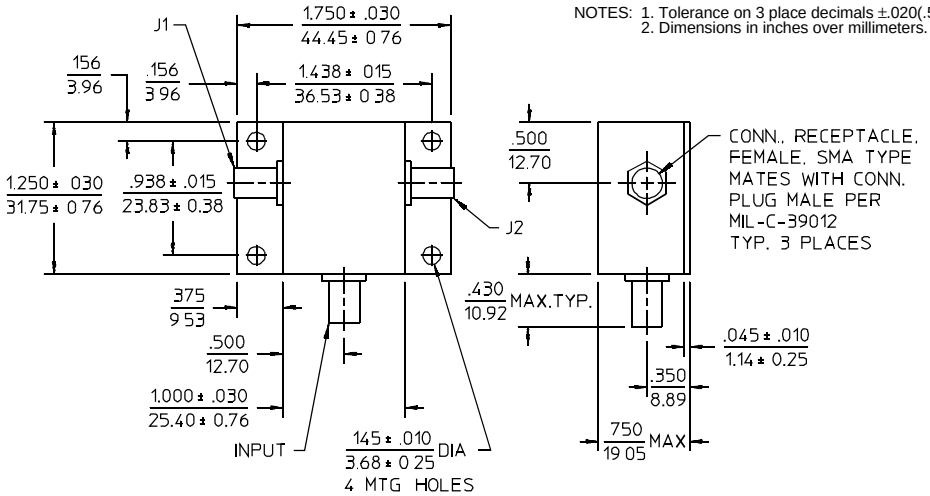
Coupling:	– 3 dB nom.
Impedance:	50 Ω nom.
CW Input:	5 Watts max.
Operating Temperature:	– 55° to +85°C

General Notes:

1. The PDMX-20 series covers 1 to 500 MHz using lumped element circuits with an internally terminated (H Arm) hybrid junction yielding a three port, two-way, out-of-phase, power divider.

2. These units comply with MIL-P-23971 and can be supplied screened for compliance with additional specifications you designate for military and aerospace applications requiring the highest reliability.

Package Outline



For further information contact ***MERRIMAC / 41 Fairfield Pl., West Caldwell, NJ, 07006 / 973-575-1300 / FAX 973-575-0531***