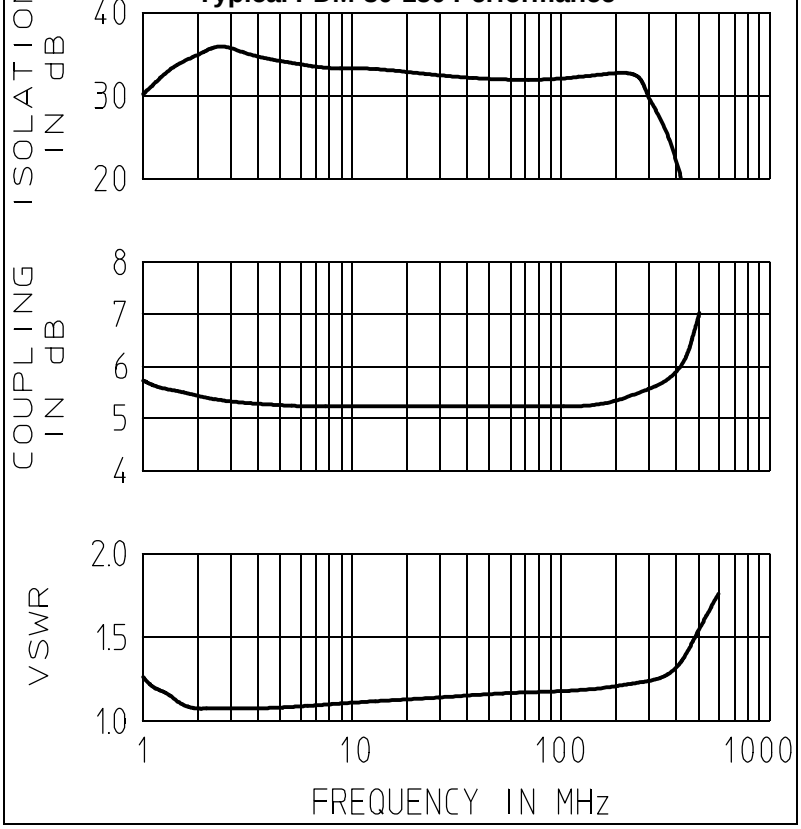
PRINCIPAL SPECIFICATIONS

Model Number	Freq. Range, MHz	Frequency Performance, MHz	Isolation, dB, Min.	Isolation, dB, Typ.	Insertion Loss, dB, Max.	Insertion Loss, dB, Typ.	Phase Balance, Max.	Phase Balance, Typ.	Amplitude Bal., dB, Max.	Amplitude Bal., dB, Typ.	VSWR (In/Output) Max.	VSWR (In/Output) Typ.
PDM-30-50	1 - 100	1 - 100	30	33	0.6	0.3	2°	1°	0.2	0.1	1.3:1	1.25:1
PDM-30-150	1 - 300	2 - 200	27	33	1.0	0.6	3°	1°	0.3	0.1	1.3:1	1.2:1
		1 - 300	20	25	1.2	0.8	4°	2°	0.4	0.4	1.5:1	1.3:1
PDM-30-525	50 - 1000	100 - 500	25	30	1.0	0.6	6°	3°	0.5	0.3	1.3:1	1.2:1
		50 - 1000	20	25	2.0	1.5	8°	4°	0.8	0.5	1.6:1	1.4:1
PDM-30-1050	700 - 1400	700 - 1400	20	25	1.2	0.8	5°	3°	0.5	0.3	1.4:1	1.25:1
PDM-30-1100	100 - 2000	100 - 2000	18	20	2.2	1.5	10°	5°	0.7	0.5	1.5:1	1.3:1

Typical PDM-30-150 Performance



GENERAL SPECIFICATIONS

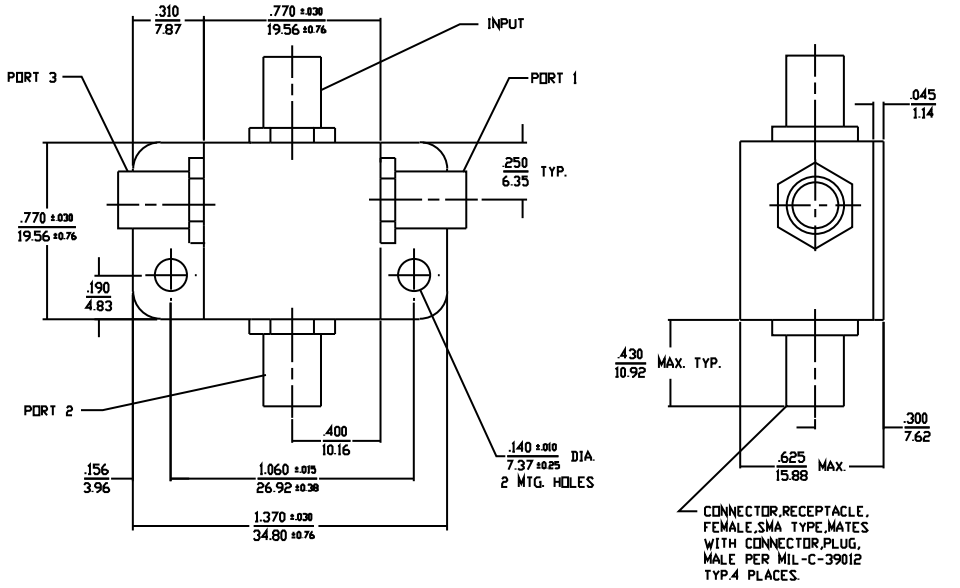
Coupling:	– 4.8 dB nom.
Impedance:	50 Ω nom.
Internal Load Dissipation:	250 mW max.
CW Power Input:	1 W max. (When used as divider with 1.2:1 $VSWR_{out}$)
Connectors, SMA Female:	to meet interface requirements of MIL-C-39012
Weight, nominal:	2 oz. (57 g)
Operating Temperature:	– 55° to +85°C

General Notes:

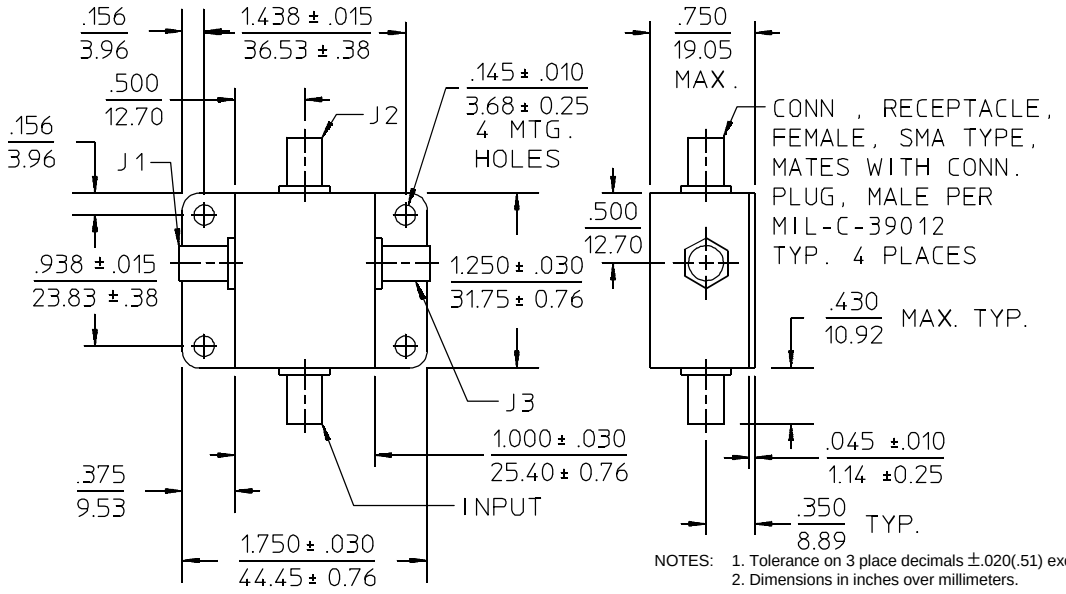
1. The PDM-30 series of 3-way In-Phase, Power Dividers/Combiners covers 1 to 2,000 MHz, using a special lumped element design to reduce size.
2. Similar units are available with up to sixteen output ports and with power capacity up to several kilowatts.

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PDM-30-50



PDM-30-150/525/1050/1100



NOTES: 1. Tolerance on 3 place decimals ±.020(.51) except as noted.
2. Dimensions in inches over millimeters.

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