

PRINCIPAL SPECIFICATIONS

| Model Number | Frequency Range, MHz | Freq. Perform., MHz | Isolation, dB | | | Insertion Loss, dB | | Phase Balance | | Amplitude Bal., dB | | VSWR, (In/Output) | | Internal Dissip. mW, Max. |
|---------------|----------------------|---------------------|---------------|------|------|--------------------|------|---------------|------|--------------------|-------|-------------------|----|---------------------------|
| | | | Min. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | | |
| PDML-20A-100 | 2 - 200 | 2 - 10 | 25 | 30 | 0.5 | 0.25 | 2° | 1° | 0.15 | 0.1 | 1.3:1 | 1.15:1 | 50 | |
| | | 10 - 200 | 30 | 35 | 0.5 | 0.25 | 2° | 1° | 0.15 | 0.1 | 1.3:1 | 1.15:1 | | |
| PDML-20A-500 | 5 - 1000 | 100 - 1000 | 20 | 25 | 1.0 | 0.5 | 4° | 1° | 0.2 | 0.1 | 1.5:1 | 1.2:1 | 50 | |
| | | 5 - 1000 | 20 | 25 | 1.1 | 0.7 | 4° | 1° | 0.3 | 0.2 | 1.5:1 | 1.2:1 | | |
| PDML-20A-1000 | 10 - 2000 | 10 - 1500 | 18 | 20 | 1.3 | 1.0 | 6° | 3° | 0.4 | 0.3 | 1.6:1 | 1.4:1 | 50 | |
| | | 1500 - 2000 | 12 | 15 | 2.0 | 1.5 | 8° | 4° | 0.6 | 0.5 | 1.8:1 | 1.5:1 | | |

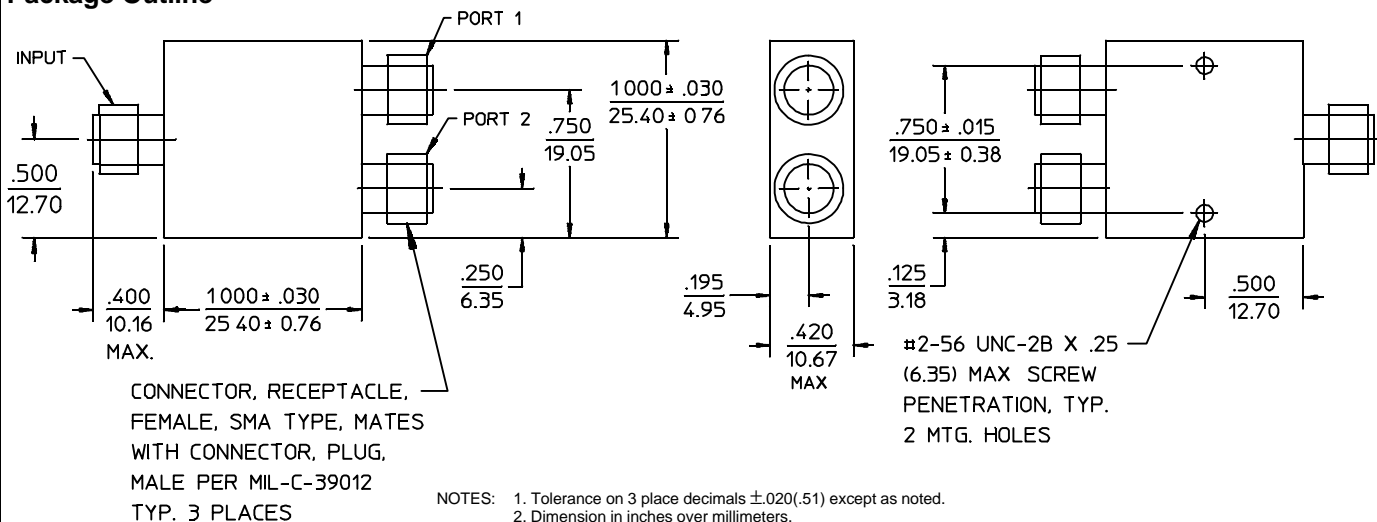
General Notes:

1. The PDML-20 series of In-Line 2-way Power Dividers/Combiners covers 2 MHz to 2 GHz using high performance, multi-octave, lumped element circuits.
2. The housing is a convenient low 0.4 inch (10 mm) profile SMA package.

GENERAL SPECIFICATIONS

- Nominal Coupling: - 3 dB
 Impedance: 50 Ω nom.
 CW Input Power: 1W max.
 (When used as divider with 1.2:1 VSWR_{out})
 Operating Temperature: - 55° to +85°C

Package Outline



19Feb96