

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
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Custom engineering
so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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PDML-20A SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 2 to 2000 MHz
- 2-way
- In-Line Hi-Rel Package
- Wide Bandwidth
- Low Insertion Loss
- SMA

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Freq. Perform., 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.	Internal Dissip. mW, Max.
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	

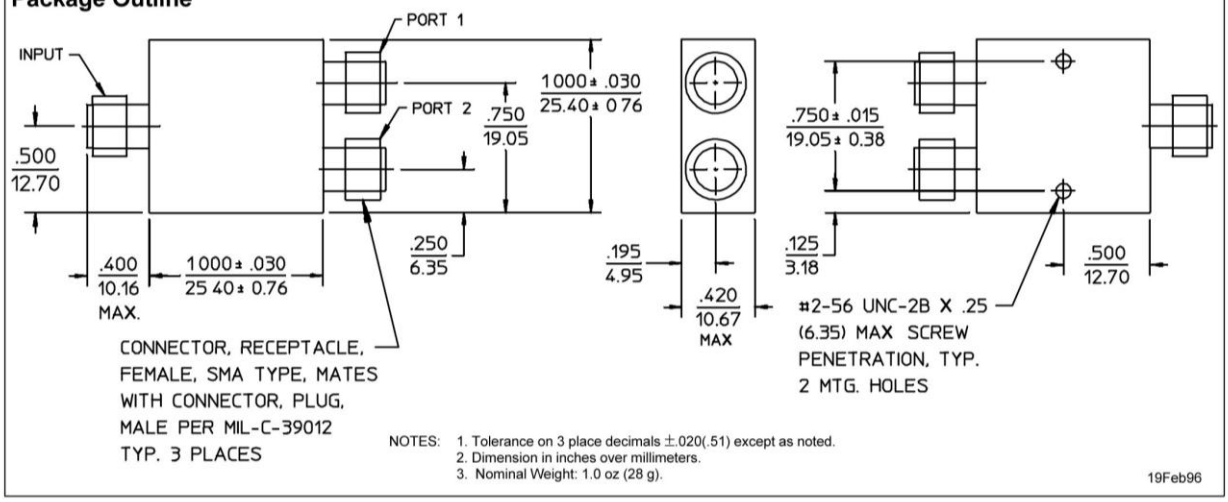
General Notes:

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



Crane Aerospace & Electronics
Microwave Solutions – Merrimac Industries
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PDML20.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors.
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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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