

# PDNL-30-500 – 0° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

### FEATURES

- 50 to 1000 MHz
- 3-way
- Medium Power
- Low Insertion Loss
- Wide Bandwidth
- N-Type Package

<b>PRINCIPAL SPECIFICATIONS</b>													
Model Number	Frequency Range, MHz	Freq. Perform., MHz	Isolation, dB		Insertion Loss, dB		Phase Balance		Amplitude Bal., dB		VSWR, (In/Output)		Weight oz.(g) Nom.
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	
PDNL-30-500	50 - 1000	50 - 800	20	25	1.5	0.8	8°	3°	0.5	0.3	1.5:1	1.3:1	6.75(191)
			20	25	2.2	1.5	10°	5°	0.7	0.5	1.7:1	1.4:1	

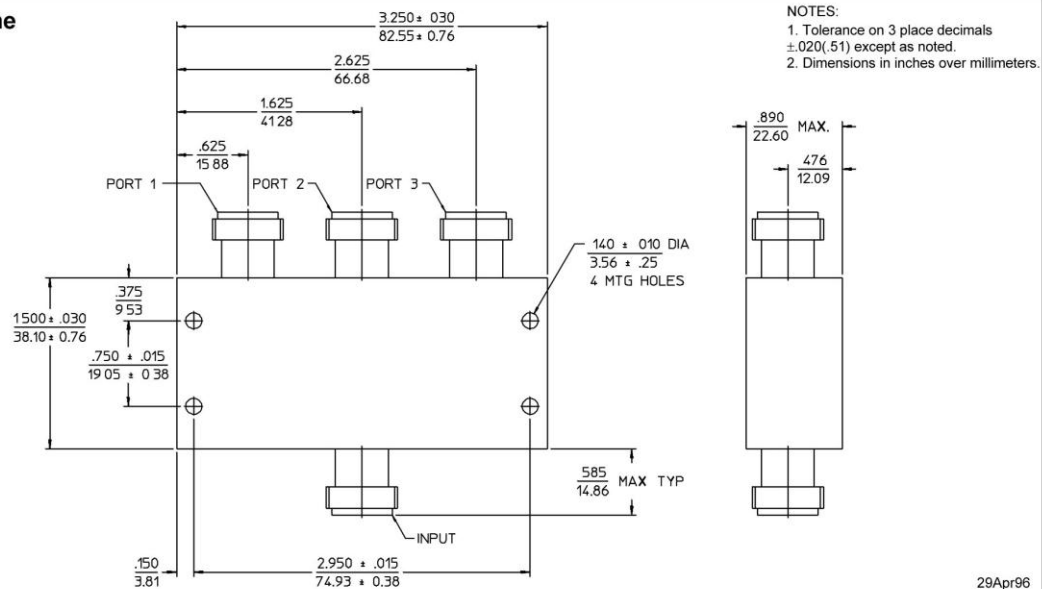
#### General Notes:

1. The PDNL-30-500 In-Line 3-way Power Divider/Combiner covers 50 to 1000 MHz using high performance lumped element designs. Standard versions are generally available from stock while models with closer tolerances are available upon special order.

#### GENERAL SPECIFICATIONS

Nominal Coupling: – 4.8 dB  
 Impedance: 50 Ω nom.  
 CW Input Power: 1W max.  
 (When used as divider with 1.2:1 VSWR<sub>out</sub>)  
 Internal Load Dissipation: 250 mW max.  
 Operating Temperature: – 55° to +85°C

#### Package Outline



**Crane Aerospace & Electronics**  
 Microwave Solutions – Merrimac Industries  
 41 Fairfield Place, West Caldwell, NJ 07006  
 + 1.973.575.1300 ext. 1309 • [mw@crane-eg.com](mailto:mw@crane-eg.com)  
[www.craneae.com/mw](http://www.craneae.com/mw)

