

# PD-30-150 – 0° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

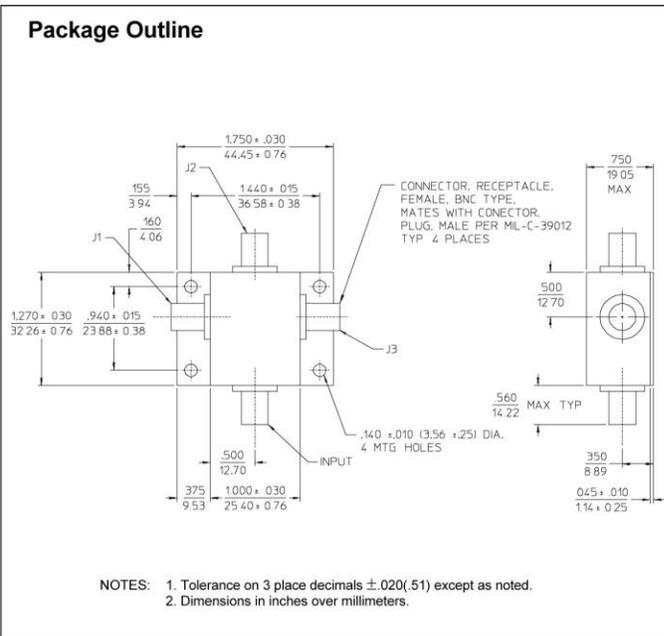
### FEATURES

- 1 to 100 MHz
- 3-way
- Broadband
- Lumped Element Design
- Low Insertion Loss
- BNC Connectors

### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Frequency Performance, MHz	Isolation, dB		Insertion Loss, dB		Phase Balance, °		Amplitude Bal., dB		VSWR (In/Output)	
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
PD-30-150	1 - 300	2 - 200 1 - 300	27	33	1.0	0.6	3°	1°	0.3	0.2	1.3:1	1.2:1
			20	25	1.2	0.8	4°	2°	0.4	0.2	1.5:1	1.3:1

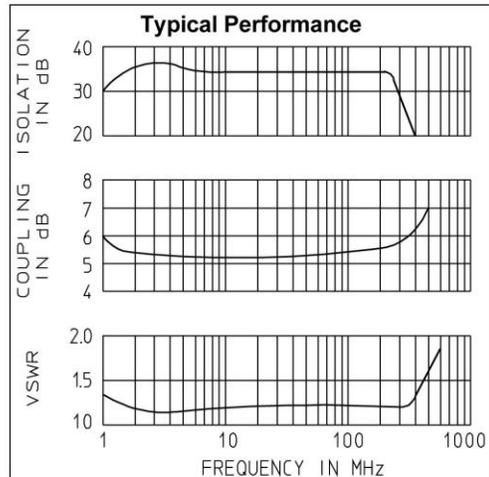
### Package Outline



### GENERAL SPECIFICATIONS

- Coupling: – 4.8 dB nom.
- Impedance: 50 Ω nom.
- Internal Load Dissipation: 250 mW max.
- CW Input Power: 1 Watt max.  
(When used as divider with 1.2:1 VSWR<sub>out</sub>)
- Weight, nominal: 2.5 oz. (71 g)
- BNC Female Connectors: MIL-C-39012
- Operating Temperature: – 55° to +85°C

### Typical Performance



### General Notes:

1. The PD-30-150 3-way Power Divider/Combiner covers 1 to 300 MHz using a lumped element design for a broad bandwidth and high output port isolation.
2. This unit complies with MIL-P-23971 and can be screened for compliance with additional specifications for military and space applications requiring the highest reliability.

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### 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)

