

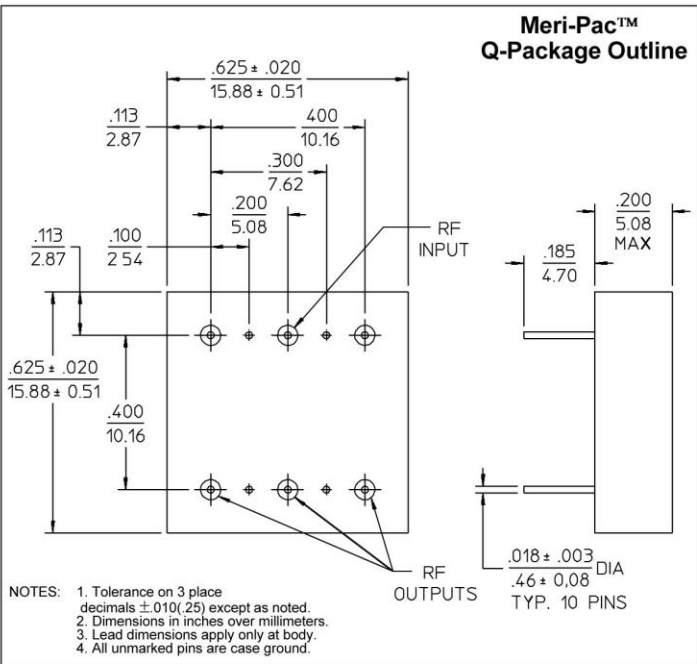
PDP-3Q-525 – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 50 to 1000 MHz
- 3-way
- Wideband
- Low Insertion Loss
- Meri-Pac
- Auto-Insertion Ready

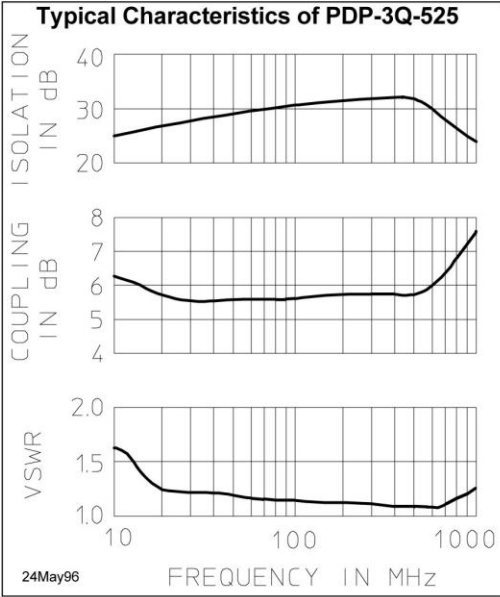
| PRINCIPAL SPECIFICATIONS | | | | | | | | | | | | |
|---------------------------------|----------------------|------------------------|---------------|------|--------------------|------|---------------|------|-----------------------|------|-------|-------|
| Model Number | Frequency Range, MHz | Freq. Perform., MHz | Isolation, dB | | Insertion Loss, dB | | Phase Balance | | Amplitude Balance, dB | | VSWR | |
| | | | Min. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. |
| PDP-3Q-525 | 50 - 1000 | 50 - 800 800 - 1000 | 20 | 25 | 1.5 | 0.8 | 8° | 3° | 0.5 | 0.3 | 1.5:1 | 1.3:1 |
| | | | 20 | 25 | 2.25 | 1.5 | 10° | 5° | 0.7 | 0.5 | 1.7:1 | 1.4:1 |



| GENERAL SPECIFICATIONS | |
|-------------------------------|--|
| Nominal Coupling: | - 4.8 dB |
| Impedance: | 50 Ω |
| CW Input Power: | 1W max. <small>(When used as divider with 1.2:1 VSWR_{out})</small> |
| Internal Load Dissipation: | 50 mW max. |
| Weight, nominal: | 0.23 oz. (5.7 g) |
| Operating Temperature: | -55° to +85°C |

General Notes:

1. The PDP-3Q-525 3-way Power Divider/Combiner covers 50 to 1000 MHz and is ideal for applications where high performance and an ultra-miniature package is essential.
2. The Meri-Pac™ housing these Power Divider/Combiners is ideally suited to airborne and space applications where inherent package reliability and hermeticity are critical.



Crane Aerospace & Electronics
 Microwave Solutions – Merrimac Industries
 41 Fairfield Place, West Caldwell, NJ 07006
 + 1.973.575.1300 ext. 1309 • mw@crane-eg.com
www.craneeae.com/mw



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