

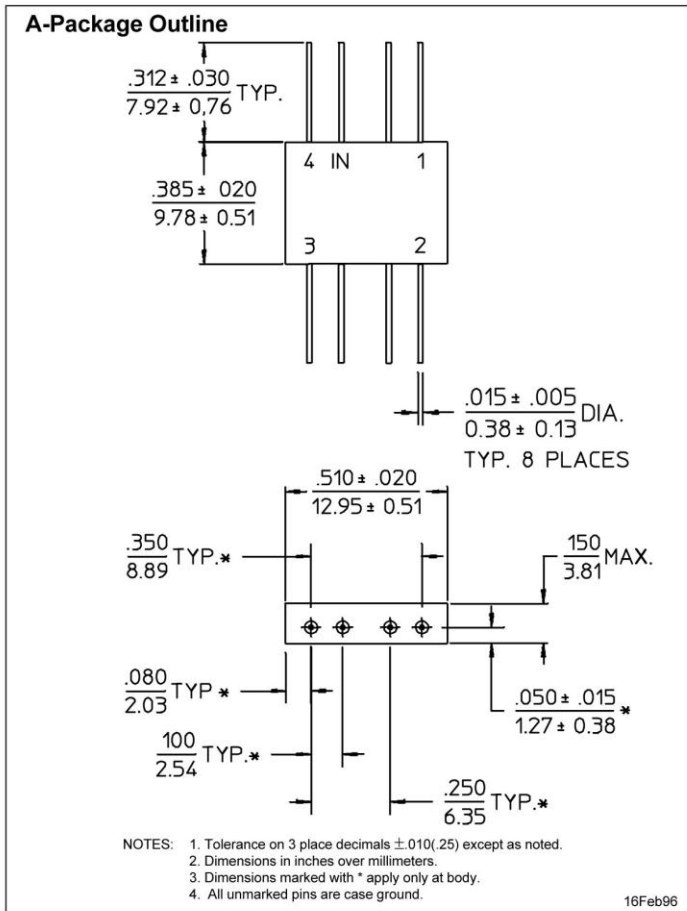
PDF-4A-100 – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 1 to 200 MHz
- 4-way
- High Output Isolation
- Low Insertion Loss
- , Hi-Rel Hermetic Package

PRINCIPAL SPECIFICATIONS											
Model Number	Frequency Range, MHz	Isolation, dB		Insertion Loss, dB		Amplitude Balance, dB		Phase Balance		VSWR	
		Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
PDF-4A-100	1 - 200	20	25	1.5	1.0	0.4	0.2	4°	2°	1.5:1	1.3:1



GENERAL SPECIFICATIONS	
Coupling:	– 6 dB nom.
Impedance:	50 Ω nom.
CW Input Power:	50 mW max. <small>(When used as divider with 1.2:1 VSWR_{out})</small>
Internal Load Dissipation:	35 mW max.
Weight, nominal:	0.1 oz. (2.8 g)
Operating Temperature:	– 55° to + 85°C

General Notes:

1. The PDF-4A-100 4-way Power Divider/Combiner covers a broad frequency range of 1 to 200 MHz using a lumped element design to reduce the size to an absolute minimum. This unit is ideal for applications where high performance and low profile are essential.
2. Higher performance, including better isolation and lower insertion loss, is available with the PDF-4E series of Four Way Power Divider/Combiner. These units are supplied in a larger package than the PDF-4A-100.
3. Other Merrimac Power Dividers/Combiners are available for frequencies from a few kilohertz to 20 GHz, with outputs from two to sixteen and for powers up to several kilowatts.

