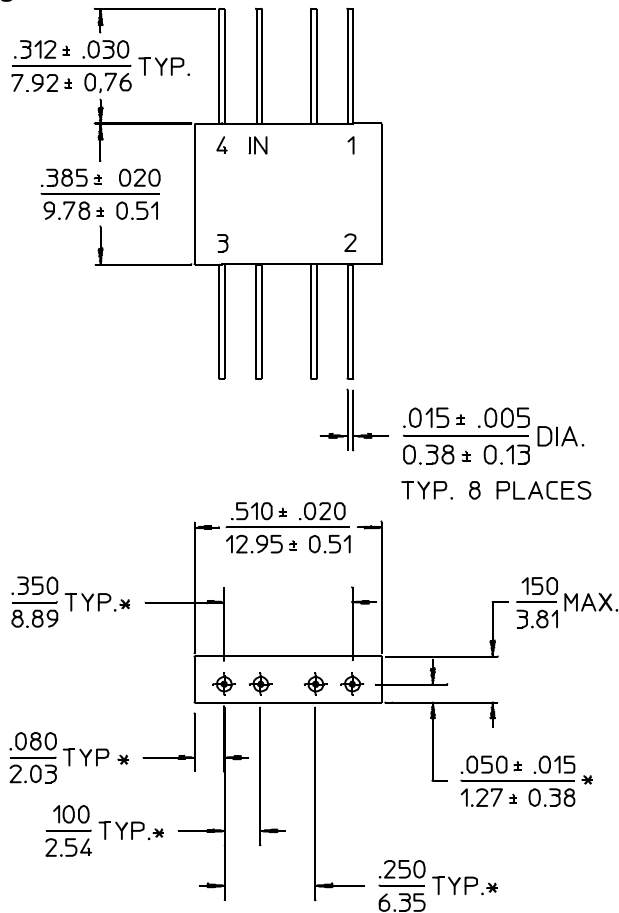


**PRINCIPAL SPECIFICATIONS**

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

**A-Package Outline**



- NOTES: 1. Tolerance on 3 place decimals  $\pm .010(.25)$  except as noted.  
 2. Dimensions in inches over millimeters.  
 3. Dimensions marked with \* apply only at body.  
 4. All unmarked pins are case ground.

16Feb96

**GENERAL SPECIFICATIONS**

- Coupling: - 6 dB nom.
- Impedance: 50  $\Omega$  nom.
- CW Input Power: 50 mW max.  
(When used as divider with 1.2:1 VSWRout)
- 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.