

# PDM-27-10G

# 0° POWER DIVIDER / COMBINER

1.5 to 18 GHz / 2-Way / Excellent Phase & Ampli. Bal. / High Output Port isolation / Stripline / SMA



## PRINCIPAL SPECIFICATIONS

Model Number	Freq. Range, GHz	Coupling, dB, Nom.	Insertion Loss, dB, Max.	Phase Balance, Max.	Amplitude Balance, dB, Max.	Isolation, dB, Min.	CW Input Power With VSWR <sub>out</sub>		
							1.2:1	2.0:1	∞
PDM-27-10G	1.5 - 18.0	-3	0.9	2°	0.3	17	30W	10W	1W

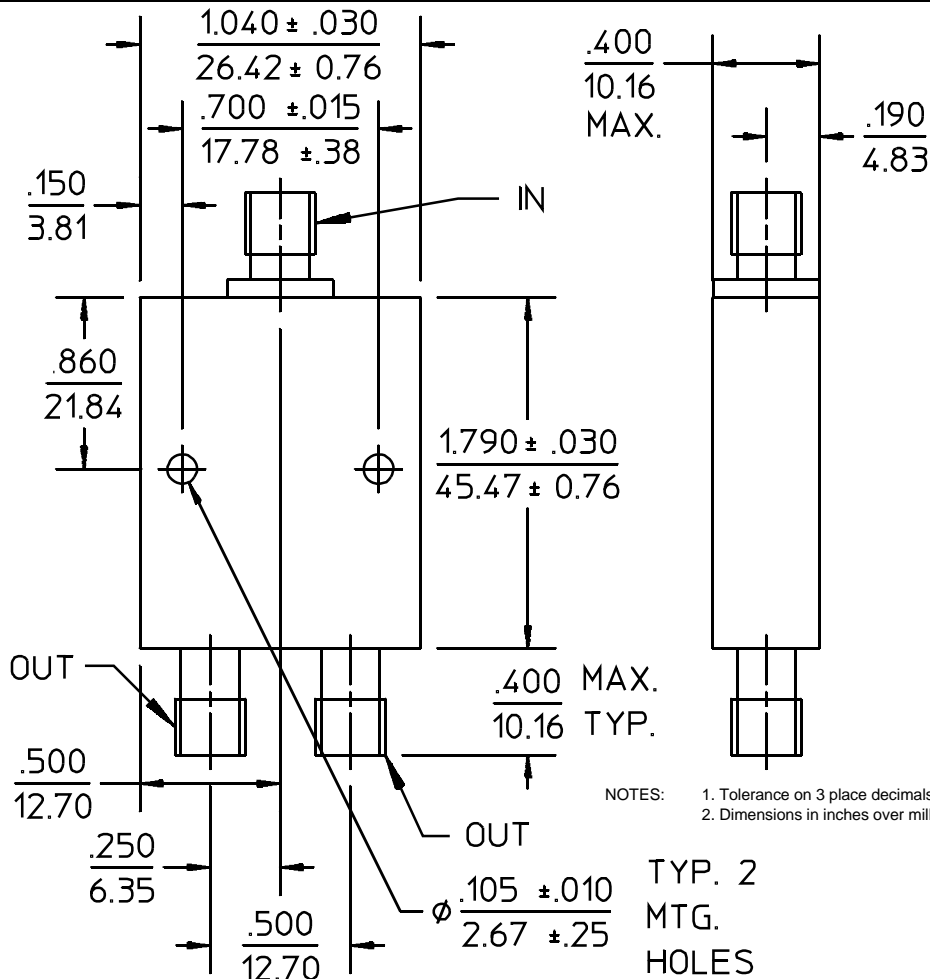
### General Notes:

1. The PDM-27-10G provides precise in-phase division of microwave signals in the range 1.5 to 18 GHz. It is one of a series of multi-section power dividers developed for wideband communications and EW systems.
2. This unit uses precise stripline fabrication techniques to yield highly repeatable performance. Units of this type are normally shipped from stock for fast delivery. Variations on the basic design can be fabricated quickly in response to specific requirements thanks to a thoroughly automated CAD/CAM process flow.

## GENERAL SPECIFICATIONS

Input/Output VSWR:	1.5:1 max.
Impedance:	50 Ω nom.
Weight, nominal:	1.25 oz (35 g)
Operating Temperature:	-55° to +85°C
Connectors:	SMA Female, IAW MIL-C-39012

### Package Outline



NOTES: 1. Tolerance on 3 place decimals  $\pm .010(.25)$  except as noted.  
2. Dimensions in inches over millimeters.

29Apr96