



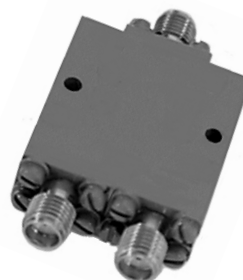
# 2 WAY POWER DIVIDERS

## PD2

2 WAY  
POWER DIVIDERS

### FEATURES

- **STRIPLINE CONSTRUCTION**  
Repeatable Performance
- **WIDE BANDWIDTH**  
2 to 18 GHz
- **LOW LOSS**  
0.25 db Typ.



### DESCRIPTION

TMI's Two way in-phase power dividers are low cost, High performance stripline components, Using the latest state of the art CAD Systems. This enables TMI to meet a wide variety of specifications without high development cost.

### ELECTRICAL SPECIFICATIONS

Model No.	(1) Frequency Range (GHz)	(2) Isolation (dB) Min.	VSWR Max.		Insertion Loss (dB) Max.	Amplitude Balance ( $\pm$ db) Max.	Phase Balance ( $\pm$ degree) Max.	(3) Average Power(Watts) Load VSWR			(4) Figure	(5) A
			Input	Output				1.2	2.0	$\infty$		
PD2-05100	0.5-1	22	1.2	1.15	0.25	0.20	2.0	30	10	1	1,2	1.5
PD2-05200	0.5-2.0	20	1.35	1.15	0.50	0.20	2.0	30	10	1	1,2	1.5
PD2-08250	0.75-3.0	20	1.30	1.20	0.30	0.20	2.0	30	10	1	1,2	1.5
PD2-12000	1-2	20	1.30	1.20	0.50	0.20	2.0	30	10	1	1,2	1.5
PD2-14000	1-4	20	1.35	1.25	0.30	0.20	2.0	30	10	1	1,2	1.5
PD2-24000	2-4	20	1.30	1.20	0.50	0.20	2.0	30	10	1	1,2	1.0
PD2-28000	2-8	20	1.50	1.30	0.40	0.20	2.0	30	10	1	1,2	1.0
PD2-21800	2-18	20	1.50	1.50	1.00	0.20	2.0	30	10	1	1,2	1.625
PD2-11200	1-12	20	1.50	1.50	0.80	0.20	2.0	30	10	1	1,2	3.0
PD2-48000	4-8	20	1.35	1.20	0.50	0.20	2.0	30	10	1	1,2	1.0
PD2-41800	4-18	20	1.5	1.50	0.80	0.20	2.0	30	10	1	1,2	1.0
PD2-61800	6-18	20	1.5	1.50	0.80	0.20	2.0	30	10	1	1,2	1.0
PD2-81200	8-12	20	1.35	1.30	0.50	0.20	2.0	30	10	1	1,2	1.0
PD2-121800	12-18	20	1.50	1.50	0.80	0.20	2.0	30	10	1	1,2	1.0

1-Bandwidth Available up to 36:1 ratio.

2-Higher Isolation Available.

3-Up to 500WCW Available

4-Contact factory for other outlines.

5-See outline for details

Impedance 50 Ohm Nominal

Temperature Range: -55 to +85°C

Finish: Grey Paint per MIL-E-15090 Type II CL2

Custom Design Available.

**TAYLOR MICROWAVE, INC.**

48 Industrial West, Clifton, NJ 07012 • Tel.(973)890-7763 • Fax.(973)890-7793

OUTLINE DIMENSIONS

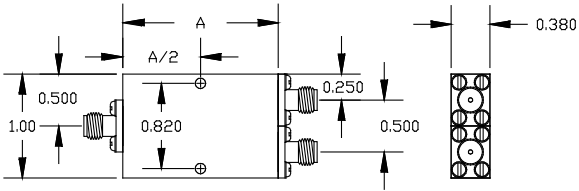


Figure 1

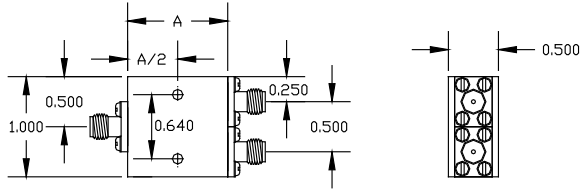


Figure 5

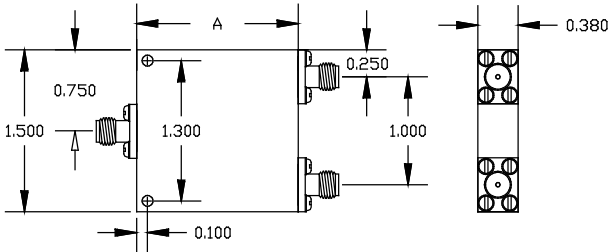


Figure 2

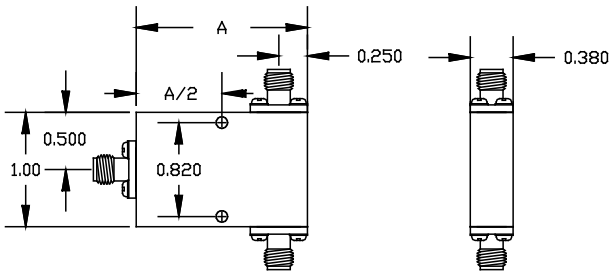


Figure 3

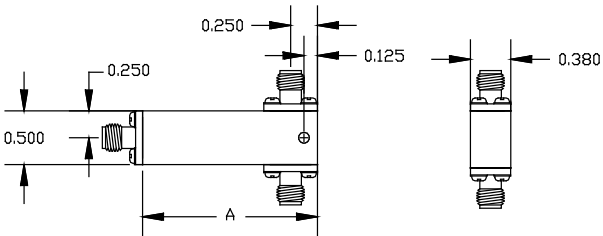


Figure 4

Contact TMI for latest online drawings

Unless Otherwise Noted:  
 .XXX = ±0.010, .XX = ±0.020  
 All dimensions are in inches  
 Connectors: SMA-Female, Per MIL-C-39012  
 Mounting Holes Diameters: 0.104 ± .005  
 Other Outline Available.  
 Custom connector spacing available.

Specifications Subject to change without notice.