



8 WAY POWER DIVIDERS

PD8

FEATURES

STRIPLINE CONSTRUCTION

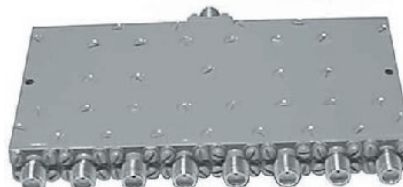
Repeatable Performance

WIDE BANDWIDTH

0.5 to 18 GHz

LOW LOSS

0.75 db Typ.



DESCRIPTION

TMI's Eight-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	∞						
PD8-05100	0.5-1	20	1.40	1.25	0.50	0.20	3.0	30	10	1	1	4.0				
PD8-05200	0.5-2.0		1.40	1.30	0.70							3.0				
PD8-07530	0.75-3.0		1.40	1.30	1.00							3.0				
PD8-12000	1-2		1.40	1.25	0.50							3.0				
PD8-14000	1-4		1.40	1.30	0.80							2.5				
PD8-24000	2-4		1.40	1.30	0.60							2.5				
PD8-28000	2-8	18	1.50	1.30	1.00	0.25	4.0	30	10	1	1	2.0				
PD8-21800	2-18		1.60	1.50	1.80							4.0				
PD8-11200	1-12		1.70	1.40	1.60							9.0				
PD8-48000	4-8	20	1.60	1.40	0.75	0.25	6.0	30	10	1	1	2.0				
PD8-41800	4-18	18	1.60	1.40	1.00	0.25	10.0					2.5				
PD8-61800	6-18	18	1.50	1.50	1.00	0.25	8.0					2.0				
PD8-81200	8-12	20	1.60	1.40	1.00	0.25	4.0					2.0				
PD8-12180	12-18	18	1.60	1.40	1.00	0.25	6.0					30	10	1	1	2.0
																2.0

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.

Contact Factory for 3,5,6,9,12,16,32, 36 Way Power Divides

Custom Design Available.

Impedance 50 Ohm Nominal

Temperature Range: -55 to +85°C

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

TAYLOR MICROWAVE, INC.

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

OUTLINE DIMENSIONS

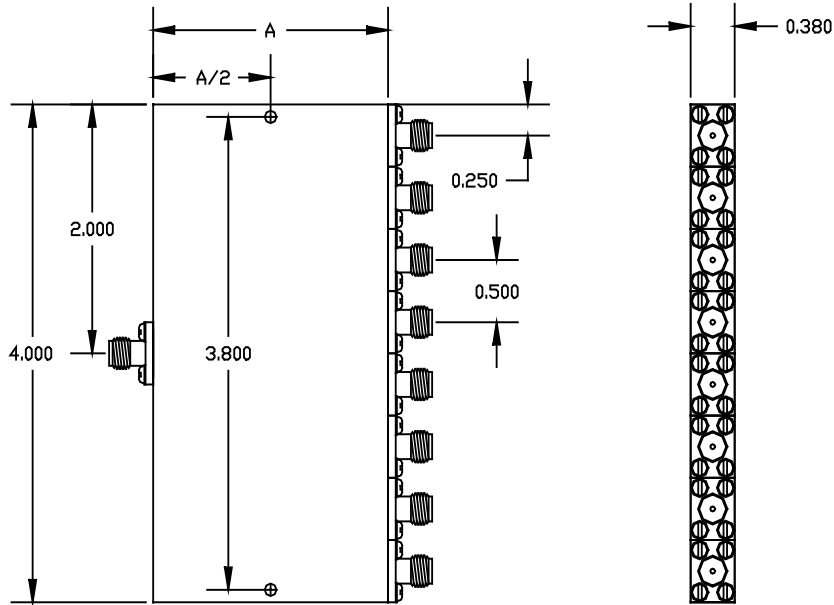


Figure 1

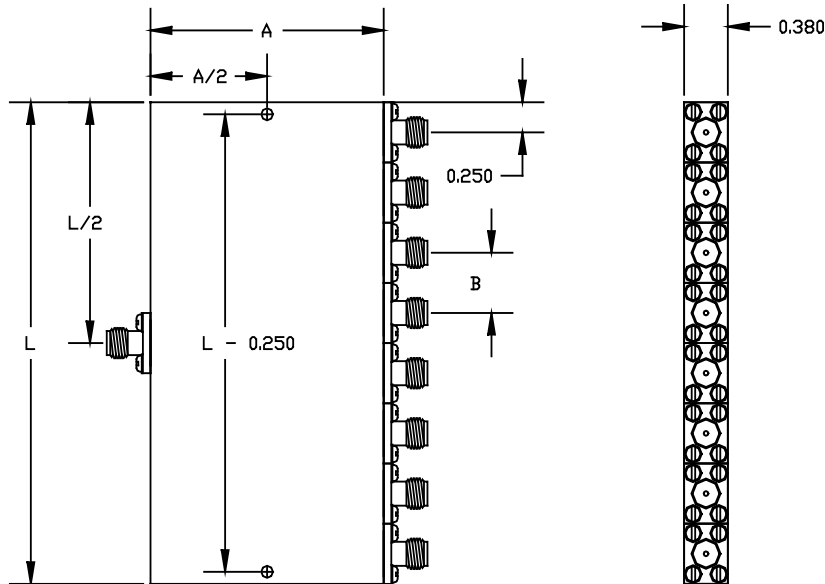


Figure 2

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 (Specify B When Ordering)

Specifications Subject to change without notice.