



2 WAY POWER DIVIDES

PD2A

FEATURES

- **STRIPLINE/TORODIAL CONSTRUCTION**
Repeatable Performance
- **WIDE BANDWIDTH**
10 to 20000 MHz
- **LOW LOSS**
0.25 db Typ.

DESCRIPTION

TMI'S Two way in-phase power dividers are low cost, High performance Torodial, Stripline components, Using the latest state-of-the-art CAD Systems. This enables TMI to meet a wide variety of specifications.



2 WAY POWER DIVIDES

ELECTRICAL SPECIFICATIONS

Model No.	(1) Frequency Range (MHz)	Insertion Loss (dB) Min.	(2) Isolation Min. (dB)	VSWR IN/OUT Max.	(3) Input Power (Watts Max.)	Phase Balance (±degree) Max.	Amplitude Balance (± db) Max.	(4) Figure
PD2-A01	10-500	25	0.75	1.3/1.2	2	1.0	0.10	1,2
PD2-A02	10-1000	25	1.00	1.3/1.2	2	2	0.20	1,2
PD2-A03	10-2000	20	1.50	1.5/1.5	2	2.0	0.20	1,2
PD2-A04	500-1000	20	0.25	1.5/1.2	30	2.0	0.20	1,2
PD2-A05	1000-2000	20	0.25	1.5/1.2	30	2.0	0.20	1,2
PD2-A06	2000-4000	20	0.25	1.5/1.2	30	2.0	0.20	1,2
PD2-A07	4000-8000	20	0.25	1.5/1.2	30	2.0	0.20	1,2
PD2-A08	8000-12000	20	0.25	1.5/1.2	30	2.0	0.20	1,2
PD2-A09	12000-18000	20	0.80	1.5/1.2	30	2.0	0.20	1,2
PD2-A10	500-2000	20	0.50	1.5/1.2	30	2.0	0.20	1,2
PD2-A11	1000-4000	20	0.50	1.5/1.2	30	2.0	0.20	1,2
PD2-A12	2000-8000	20	0.50	1.5/1.3	30	2.0	0.20	1,2
PD2-A13	3000-9000	20	0.30	1.5/1.3	30	2.0	0.20	1,2
PD2-A14	6000-18000	20	0.80	1.5/1.5	30	2.0	0.20	1,2

1-Bandwidth Available up to 36:1 ratio.
 2-Higher Isolation Available.
 3-Up to 500WCW Available.
 4-Contact factory for other outlines.
 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

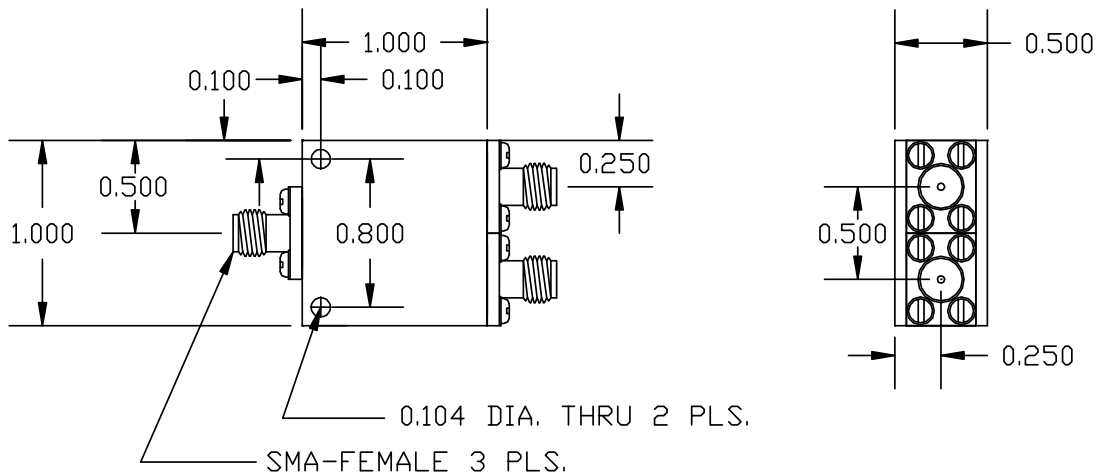


Figure 1.

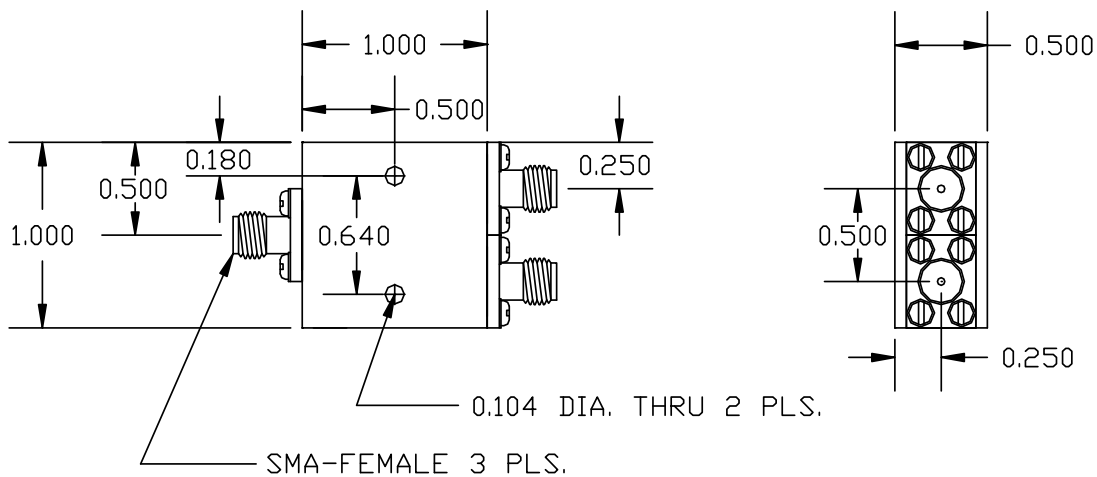


Figure 2.

Contact TMI for latest online drawings

Unless Otherwise Noted:
 .XXX = ±0.010, .XX = ±0.020
 All dimensions are in Inches
 Connectors: SMA-Female, Stainless Steel Per MIL-C-39012, SMA-Male Available.
 Mounting Holes Diameters: 0.104±0.005
 Other Outline Available.
 Custom connector spacing available.
 Specifications Subject to change without notice.