

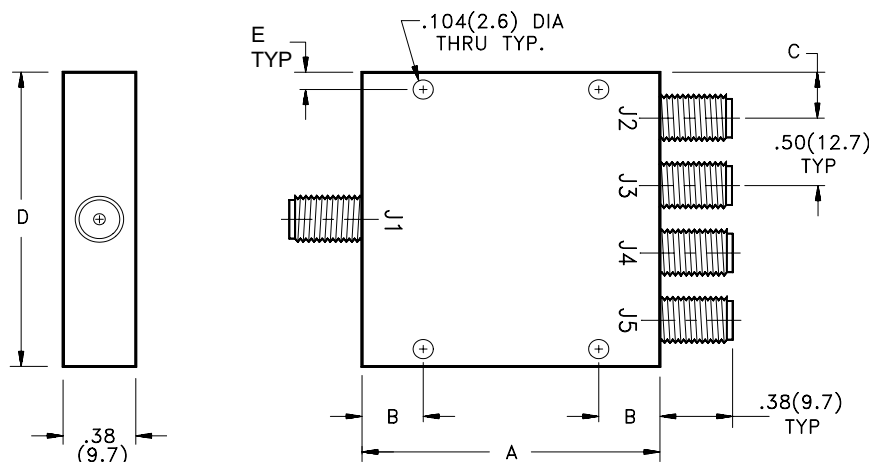
# Power Dividers

## Four Way Isolated

### 500 MHz - 18.0 GHz High Performance

- Full 2.0 - 18.0 GHz bandwidth units
- Low VSWR - High Isolation
- Rugged Stripline Construction
- Meets Mil-E-5400 and Mil-E16400 Environment

Midwest Microwave's series of high performance isolated Power Dividers are small, lightweight, ruggedly constructed stripline units that possess inherently low insertion loss and VSWR with high isolation and excellent phase and amplitude tracking. Units are available in multi-octave, and ultra-wideband frequency bandwidths covering the entire range of 0.5 - 18.0 GHz.



### ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE (GHz)	CASE STYLE	MODEL NUMBER	AMPLITUDE BALANCE (dB)	PHASE BALANCE (degrees)	INSERTION LOSS (dB) max	ISOLATION (dB) min	VSWR max	INPUT POWER max(W)
0.5-2.0	1	PWD-5520-04-SMA-79	0.5	10	1.0	18	1.50	5
2.0-8.0	1	PWD-5522-04-SMA-79	0.5	10	1.0	18	1.50	5
6.0-18.0	2	PWD-5526-04-SMA-79	0.5	10	1.0	18	1.50	5
2.0-18.0	1	PWD-5532-04-SMA-79	0.5	10	1.5	18	1.50	10
.5-18.0	3	PWD-5530-04-SMA-79	0.5	10	1.5	16	1.50	10

### MECHANICAL SPECIFICATIONS - INCHES (mm)

CASE STYLE	A	B	C	D	E	WEIGHT	
						Oz	Gr
1	3.00 (76.2)	0.63 (16.0)	0.250(6.35)	2.00 (50.8)	0.080 (2.00)	4.00	115
2	1.46 (37.1)	0.73 (18.5)	0.250(6.35)	2.00 (50.8)	0.080 (2.00)	2.05	58
3	5.20 (132.1)	1.00 (25.4)	0.250(6.35)	2.00 (50.8)	0.080 (2.00)	7.30	207

- Note:
1. Specifications assume that all of the outputs are terminated with a load that has a VSWR not greater than 2.0:1.
  2. TNC or NType output connectors are available by substituting "TNC" or "NNN" for "SMA" in the Model Number. Housings thickness will increase to 0.88 to accommodate these larger diameter connectors.

# Mouser Electronics

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[PWD-5522-04-TNC-79](#)