

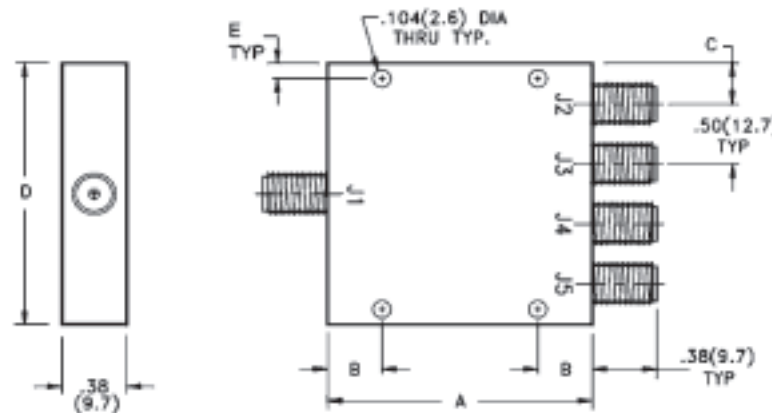
# Power Dividers

## 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 (Deg) | 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     | 30                  |
| 2.0-8.0               | 1          | PWD-5522-04-SMA-79 | 0.5                    | 10                  | 1.0                     | 18                 | 1.50     | 30                  |
| 6.0-18.0              | 2          | PWD-5526-04-SMA-79 | 0.5                    | 10                  | 1.0                     | 18                 | 1.50     | 30                  |
| 2.0-18.0              | 1          | PWD-5532-04-SMA-79 | 0.5                    | 10                  | 1.5                     | 18                 | 1.50     | 30                  |
| 0.5-18.0              | 3          | PWD-5530-04-SMA-79 | 0.5                    | 10                  | .0.5+0.20f              | 16                 | 1.50     | 30                  |

### 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 N Type output connectors are available by substituting "TNC" or "NNN" for "SMA" in the Model Number.  
 Housings thickness will increase to 0.75 to accommodate these larger diameter connectors.