

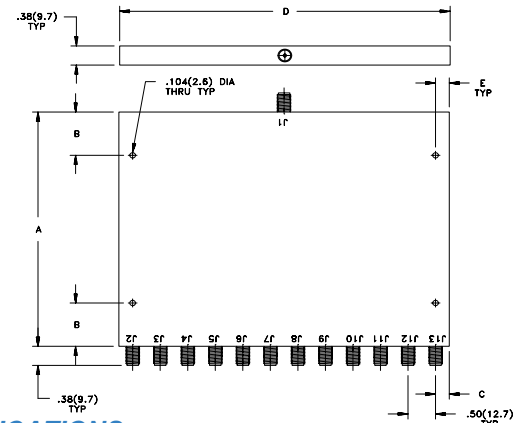
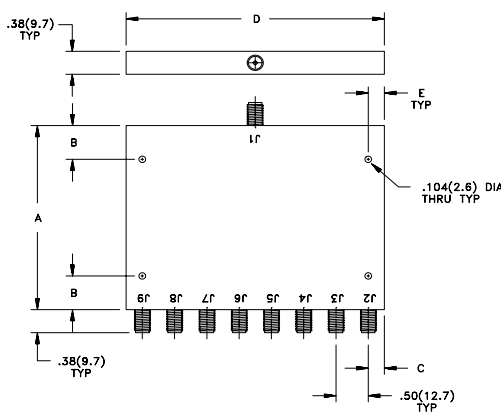
Power Dividers

Eight Way • Twelve Way

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)
EIGHT WAY MULTI-OCTAVE TYPES								
0.5-2.0	1	PWD-5520-08-SMA-79	0.5	5	1.0	15	1.50	10
2.0-8.0	2	PWD-5522-08-SMA-79	0.8	10	1.2	15	1.50	10
6.0-18.0	3	PWD-5526-08-SMA-79	0.8	10	0.5+.08f	15	1.50	10
2.0-18.0	2	PWD-5532-08-SMA-79	0.6	10	0.7+0.1f	15	1.50	30
0.5-18.0	4	PWD-5530-08-SMA-79	0.8	15	1.0+.25f	15	1.50	30
TWELVE WAY MULTI-OCTAVE TYPES								
0.5-2.0	5	PWD-5520-12-SMA-79	0.5	5	1.0	15	1.50	10
2.0-8.0	6	PWD-5522-12-SMA-79	0.8	10	1.4	15	1.50	10
6.0-18.0	5	PWD-5526-12-SMA-79	0.8	10	2.2	15	1.50	10
2.0-18.0	6	PWD-5532-12-SMA-79	0.6	10	1.0+.11f	15	1.50	30
0.5-18.0	7	PWD-5530-12-SMA-79	0.8	10	1.2+.3f	15	1.50	30

MECHANICAL SPECIFICATIONS - INCHES (mm)

CASE STYLE	A	B	C	D	E	WEIGHT Oz	Gr
1	3.00 (76.2)	1.50 (38.1)	0.250 (6.35)	4.00 (101.6)	0.250 (6.35)	8.4	239
2	4.60 (116.8)	0.55 (14.0)	0.250 (6.35)	4.00 (101.6)	0.250 (6.35)	12.3	349
3	3.50 (88.9)	1.75 (44.4)	0.250 (6.35)	4.00 (50.8)	0.250 (6.35)	9.0	273
4	5.25 (133.4)	1.13 (28.6)	0.250 (6.35)	4.00 (101.6)	0.250 (6.35)	13.8	390
5	4.60 (116.8)	0.85 (2.2)	0.250 (6.35)	6.00 (152.4)	0.250 (6.35)	18.8	540
6	5.20 (132.1)	1.13 (28.7)	0.250 (6.35)	6.00 (152.4)	0.250 (6.35)	21.2	600
7	7.50 (190.5)	1.50 (38.1)	0.250 (6.35)	6.00 (152.4)	0.250 (6.35)	24.5	700

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.


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SKU	Product	Frequency	Power	Body	Interface	Gender	dB	
Eight Way Wilkinson Isolated Power Dividers								
PWD-5530-08-NNN-79	Power Divider	18	30	8WAY	N	F	15	More Details
PWD-5530-08-SMA-79	Power Divider	18	30	8WAY	SMA	F	15	More Details
PWD-5530-08-TNC-79	Power Divider	18	30	8WAY	TNC	F	15	More Details
Four Way Wilkinson Isolated Power Dividers								
PWD-5530-04-NNN-79	Power Divider	18	10	4WAY	N	F	16	More Details
PWD-5530-04-SMA-79	Power Divider	18	10	4WAY	SMA	F	16	More Details
PWD-5530-04-TNC-79	Power Divider	18	10	4WAY	TNC	F	16	More Details
SMA Connectors								
SMA-5530-14-TAB-02	Connector			4HL	SMA	M		More Details
SMA-5530-15-TAB-00	Connector			4HL	SMA	F		More Details
SMA-5530-15-TAB-02	Connector			4HL	SMA	F		More Details
Twelve Way Wilkinson Isolated Power Dividers								
PWD-5530-12-NNN-79	Power Divider	18	30	12WAY	N	F	15	More Details
PWD-5530-12-SMA-79	Power Divider	18	30	12WAY	SMA	F	15	More Details
PWD-5530-12-TNC-79	Power Divider	18	30	12WAY	TNC	F	15	More Details
Two Way Wilkinson Isolated Power Dividers								
PWD-5530-02-	Power							More

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ATT-444M-01-HEX-02
1 dB DC-18 Ghz Attenuator
Inexpensive Subminiature
Minipad Hex Body SMA/SMA
2 watt Passivated

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NNN-79	Divider	18	10	2WAY	N	F	18	Details
PWD-5530-02-SMA-79	Power Divider	18	10	2WAY	SMA	F	18	More Details
PWD-5530-02-TNC-79	Power Divider	18	10	2WAY	TNC	F	18	More Details
PWD-5530-T2-NNN-79	Power Divider	18	10	2WAY	N	F	18	More Details
PWD-5530-T2-SMA-79	Power Divider	18	10	2WAY	SMA	F	18	More Details
PWD-5530-T2-TNC-79	Power Divider	18	10	2WAY	TNC	F	18	More Details
Two Way Wilkinson Isolated Power Dividers - RoHS Compliant								
PWD-5530-02-SMR-79	Power Divider	18	10	2WAY	SMA	F	18	More Details

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