



DOUBLE-RIDGE WAVEGUIDE PRESSURE WINDOWS

DATA
SHEET
No. T13E

- LOW VSWR
- HIGH POWER
- LOW LOSS
- HIGH PRESSURE



DESCRIPTION

MEC Double-Ridge Waveguide Pressure Windows offer low Reflection and Insertion Loss over the complete waveguide bands, and have outstanding performance at high power. They have a gasket groove on one side and conform to standard flange dimensions, with all clearance holes for installation between flanges. MEC windows have been extensively tested and qualified to the most severe temperature, altitude and high power environments and exceed the requirements of MIL-E-5400, Class 2. Bodies are aluminum and finish is chromate conversion per MIL-C-5541, Class 3. Special requirements can be accommodated upon request.

SPECIFICATIONS

Operating Pressure: 30 PSIG max. in either direction
 Proof Pressure: >50 PSIG in either direction
 Leak Rate: 10^{-4} m1/minute at 30 PSIG
 Thickness: 0.375"

MODEL	FREQUENCY RANGE (GHz)	VSWR (MAX)	INSERTION LOSS (dB MAX)	WAVEGUIDE SIZE	WAVEGUIDE FLANGE	MAX. POWER (WATTS, CW)
MEDIUM POWER						
R275	18.0 – 40.0	1.25	0.3	WRD-180C24	MEC-180C3G3	100
R276	11.0 – 26.5	1.25	0.2	WRD-110C24	MEC-110C3G3	
R270	7.5 – 18.0	1.1	0.1	WRD-750D24	MEC-750C3G3	300
R277	6.5 – 18.0	1.1	0.1	WRD-650D28	MEC-650C3G3	
R278	5.8 – 16.0	1.1	0.1	WRD-580D28	MEC-580C3G3	
R271	4.75 – 11.0	1.1	0.1	WRD-475D24	MEC-475C3G3	400
R279	4.75 – 11.0	1.1	0.1	DR-19	MEC-DR19C3G3	
R272	3.5 – 8.2	1.1	0.1	WRD-350D24	MEC-350C3G3	
R273	2.0 – 4.8	1.1	0.1	WRD-200D24	MEC-200C3G3	
HIGH POWER						
R270H	7.5 – 18.0	1.15	0.15	WRD-750D24	MEC-750C3G3	1,000
R277H	6.5 – 18.0	1.2	0.15	WRD-650D28	MEC-650C3G3	
R278H	5.8 – 16.0	1.15	0.1	WRD-580D28	MEC-580C3G3	
R271H	4.75 – 11.0	1.15	0.1	WRD-475D24	MEC-475C3G3	
R279H	4.75 – 11.0	1.15	0.1	DR-19	MEC-DR19C3G3	
R272H	3.5 – 8.2	1.15	0.1	WRD-350D24	MEC-350C3G3	
R273H	2.0 – 4.8	1.15	0.1	WRD-200D24	MEC-200C3G3	

ORDERING INFORMATION

Ordering by model number and specify the frequency band desired.
 Higher Power, Lower VSWR or greater bandwidth are available upon request.

Data subject to change without notice



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