



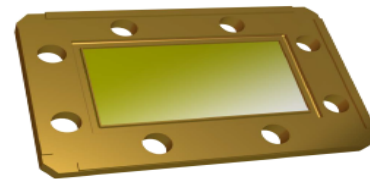
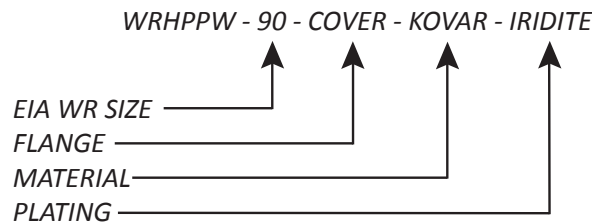
Manufacturers-Precision Microwave Components
Cheshire, CT U.S.A.

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HIGH POWER PRESSURE WINDOW SPECIFICATIONS

TYPICAL ELECTRICAL / MECHANICAL SPECIFICATIONS								
EIA WR SIZE	FREQUENCY RANGE (GHz)	VSWR MAX	INS. LOSS (dB)	PEAK POWER (kW)	PSIG MAX	FLANGE TYPE	FLANGE MATERIAL	OVERALL LENGTH (Max. Inches)
22	33.00 - 50.00	1.2	0.2	12	45	Cover	Brass	0.25
28	26.50 - 40.00	1.18	0.15	15	45	Cover	Brass	0.25
34	22.00 - 33.00	1.15	0.15	20	45	Cover	Brass	0.25
42	18.00 - 26.50	1.05	0.14	30	45	Cover	Brass	0.25
51	15.00 - 22.00	1.1	0.15	20	45	Cover	Brass	0.25
62	12.40 - 18.00	1.15	0.12	100	45	Cover	Brass	0.25
75	10.00 - 15.00	1.1	0.1	125	45	Cover	Brass	0.25
90	8.20 - 12.40	1.1	0.08	150	45	Cover	Brass	0.25
102	7.00 - 11.00	1.1	0.05	250	45	Cover	Brass	0.25
112	7.05 - 10.00	1.1	0.05	250	45	Cover	Brass	0.5
137	5.85 - 8.20	1.07	0.04	400	40	Cover	Brass	0.5
159	4.90 - 7.05	1.05	0.03	750	30	CPRF	Brass	0.5
187	3.95 - 5.85	1.08	0.03	1000	15	Cover	Brass	0.5
229	3.30 - 4.90	1.07	0.03	1800	15	CPRF	Brass	0.5
284	2.60 - 3.95	1.06	0.02	2000	15	CPRF	Aluminum	0.5
430	1.70 - 2.60	1.05	0.02	2500	10	CPRF	Aluminum	0.5
650	1.12 - 1.70	1.05	0.02	4000	5	CPRF	Aluminum	0.75

Ordering Information



Note : All Flanges will have clear holes.

Microtech High Power Pressure Windows are used where it is desirable to isolate a section of transmission or a component, to increase power handling capacity, or prevent foreign material from entering the transmission line.

Microtech High Pressure Windows are designed and manufactured using the latest software. These windows employ a high grade quartz window set in a Kovar frame. These materials are thermally equivalent for use in high temperature situations. All High Power Windows are hermetically sealed using the latest technology.

Note: The electrical specifications are for 10% of their respective bandwidths. Wider bandwidths are available at a level of degraded performance.

Note : All Flanges will have clear holes.

Note: Other configurations and specifications are available upon request. Contact the factory with your requirement.