



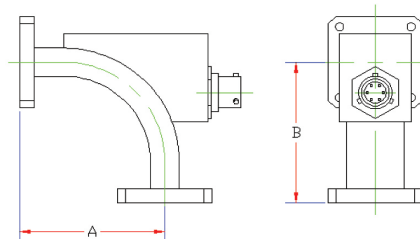
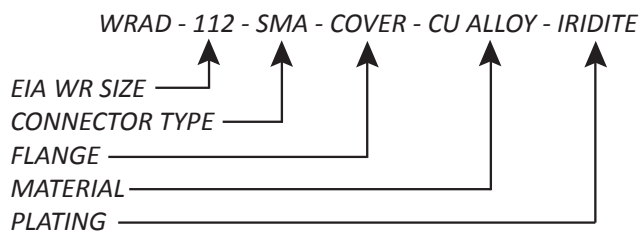
Manufacturers-Precision Microwave Components
Cheshire, CT U.S.A.

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WAVEGUIDE ARC DETECTORS SPECIFICATIONS

TYPICAL ELECTRICAL / MECHANICAL SPECIFICATIONS								
EIA WR SIZE	FREQUENCY RANGE (GHZ)	VSWR MAX.	INSERTION LOSS (DB)	PEAK POWER HANDLING MIN	FLANGE EQUIV.	MATERIAL	"A" DIMENSION (MAX. INCHES)	"B" DIMENSION (MAX. INCHES)
22	33.00 - 50.00	1.15	<0.15	40KW	UG383/U	CU ALLOY	2.00	2.00
28	26.50 - 40.00	1.15	<0.15	75KW	UG599/U	CU ALLOY	2.00	2.00
34	22.00 - 33.00	1.15	<0.15	100KW	UG1530/U	CU ALLOY	2.00	2.00
42	18.00 - 26.50	1.15	<0.15	150KW	UG596/U	CU ALLOY	2.00	2.00
51	15.00 - 22.00	1.15	<0.15	200KW	WR 51	CU ALLOY	2.00	2.00
62	12.40 - 18.00	1.15	<1.10	250KW	UG419/U	CU ALLOY	2.00	2.00
75	10.00 - 15.00	1.1	<1.10	325KW	WR 75	CU ALLOY	2.00	2.00
90	8.20 - 12.40	1.1	<1.10	350KW	UG39/U	CU ALLOY	2.00	2.00
102	7.00 - 11.00	1.1	<1.10	400KW	UG1493/U	CU ALLOY	2.00	2.00
112	7.05 - 10.00	1.1	<1.10	400KW	UG51/U	CU ALLOY	2.00	2.00
137	5.85 - 8.20	1.1	<1.10	500KW	UG344/U	CU ALLOY	2.00	2.00
159	4.90 - 7.05	1.1	<1.10	500KW	CPR159F	CU ALLOY	2.50	2.50
187	3.95 - 5.85	1.1	<1.10	700KW	UG1498A/U	AL ALLOY	3.00	3.00
229	3.30 - 4.90	1.1	<1.10	800KW	CPR229F	AL ALLOY	3.00	3.00
284	2.60 - 3.95	1.05	<1.05	1.0MW	UG53	AL ALLOY	3.50	3.50
340	2.20 - 3.30	1.05	<1.05	1.2MW	UG1713/U	AL ALLOY	3.50	3.50
430	1.70 - 2.60	1.05	<1.05	1.5MW	UG1711/U	AL ALLOY	4.00	4.00
650	1.12 - 1.70	1.05	<1.05	2.0MW	UG1714/U	AL ALLOY	6.00	6.00

ORDERING INFORMATION



Microtech Arc Detectors will provide a fault or fired output signal effecting a shut-down of the system prior to damage to your very expensive power source. Microtech has pioneered a method utilizing optics allowing arc detection in a straight waveguide unit when your system might not have space for a more traditional bend.

These detectors are available in waveguide sizes ranging from WR650 to WR22.

They are made available with numerous options. They can be ordered with a led check circuit and also a TTL output with or without a latching circuit. Many popular materials and flange configurations are also available. Consult the factory with your specific design needs. Adapters that conform to MIL-DTL-22641 are also available