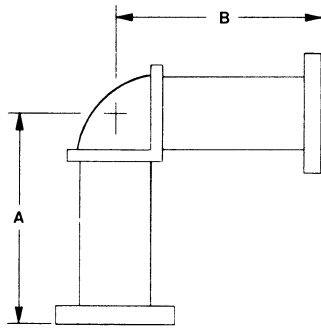


# WAVEGUIDE MITRED 90° BENDS

SERIES  
12



## GENERAL INFORMATION

- FULL WAVEGUIDE FREQUENCY RANGE
- ARM LENGTHS TO 120 INCHES
- STANDARD EXTERIOR FINISH IS FLAT BLACK POLYURETHANE ENAMEL COLOR 37038 PER FED-STD-595
- LOWER VSWR OVER NARROWER BANDS
- MULTIPLE BENDS AND CUSTOM DESIGNS AVAILABLE

## SPECIFICATIONS

BASIC MODEL	FREQ. RANGE (GHz)	EIA DESIG.	VSWR (max.)	INSERT. <sup>2</sup> LOSS (dB max.)	WT. <sup>3</sup> (lbs.)
12L <sup>1</sup>	1.12-1.7	WR650	1.05	.04 + .006 dB/ft	6.0 + 2.0 lbs/ft
12M <sup>1</sup>	1.7-2.6	WR430	1.05	.04 + .007 dB/ft	4.0 + 1.4 lbs/ft
12S	2.6-3.95	WR284	1.05	.03 + .009 dB/ft	3.0 + 2.9 lbs/ft
12SC	3.3-4.9	WR229	1.05	.03 + .011 dB/ft	2.5 + 2.3 lbs/ft
12C	3.95-5.85	WR187	1.05	.04 + .016 dB/ft	2.0 + 1.7 lbs/ft
12CA	4.9-7.05	WR159	1.05	.04 + .019 dB/ft	1.7 + 1.3 lbs/ft
12A	5.85-8.2	WR137	1.05	.04 + .023 dB/ft	1.5 + 1.1 lbs/ft
12XL	7.05-10	WR112	1.05	.05 + .035 dB/ft	1.1 + .92 lbs/ft
12X	8.2-12.4	WR90	1.05	.05 + .045 dB/ft	.70 + .63 lbs/ft
12XK	10-15	WR75	1.05	.06 + .060 dB/ft	.45 + .55 lbs/ft
12KU	12.4-18	WR62	1.05	.08 + .070 dB/ft	.30 + .40 lbs/ft
12K	18-26.5	WR42	1.10	.12 + .150 dB/ft	.15 + .27 lbs/ft
12KA	26.5-40	WR28	1.10	.13 + .250 dB/ft	.10 + .25 lbs/ft

## Ordering Code

NOTES: 1 - available in aluminum only  
2 - at worst case freq.  
3 - wt. shown for copper

MODEL	FLANGE	MAT'L	FINISH	LENGTH A	LENGTH B	PLANE
FROM ABOVE	1 - CPRF 2 - CPRG 3 - COVER 4 - CHOKE 5 - SPECIAL	A - ALUM B - BRASS C - COPPER D - SPECIAL	1 - IRIDITE 2 - SILVER 3 - SPECIAL	INCHES	INCHES	E-E BEND H-H BEND

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