

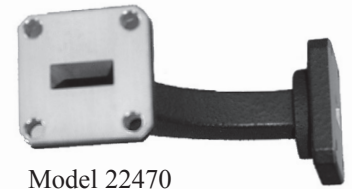
# Waveguide E and H Plane Bends

## Series 460 / 470

### Features

- **Low VSWR**
- **E Plane Models - Series 460**
- **H Plane Models - Series 470**
- **Brass or Aluminium**
- **90° Standard; 30° 45° & 60° Available**

Model 22460



Model 22470

Model	Frequency Range (GHz)	Waveguide			VSWR Max	Dimension (A)	Weight (kg) Brass
		WG	R	WR			
10460	2.60 - 3.95	10	32	284	1.05	100	2.5
10470							
11A460	3.22 - 4.9	11A	40	229	1.05	90	1.05
11A470							
12460	3.94 - 5.99	12	48	187	1.05	80	1.05
12470							
13460	4.64 - 7.05	13	58	159	1.05	75	0.90
13470							
14460	5.38 - 8.18	14	70	137	1.05	70	0.66
14470							
15460	6.58 - 10.0	15	84	112	1.05	60	0.31
15470							
16460	8.20 - 12.5	16	100	90	1.05	50	0.20
16470							
17460	9.84 - 15.0	17	120	75	1.05	40	0.18
17470							
18460	11.9 - 18.0	18	140	62	1.05	30	0.12
18470							
19460	14.5 - 22.0	19	180	51	1.1	30	0.09
19470							
20460	17.6 - 26.7	20	220	42	1.05	38	0.05
20470							
21460	21.7 - 33.0	21	260	34	1.06	38	0.045
21470							
22460	26.4 - 40.1	22	320	28	1.06	38	0.035
22470							
23460	33.0 - 50.1	23	400	22	1.06	28	0.045
23470							
24460	39.3 - 59.7	24	500	19	1.06	28	0.045
24470							
25460	49.9 - 75.8	25	620	15	1.07	21	0.025
25470							
26460	60.5 - 92.0	26	740	12	1.08	21	0.025
26470							
27460	73.8 - 112	27	900	10	1.09	21	0.025
27470							
28460	92.3 - 140	28	1200	8	1.10	21	0.020
28470							
29460	114 - 173	29	1400	6	1.12	Dimensions available on request	
29470							
30460	145 - 220	30	1800	5	Specifications/dimensions available on request		
30470							
31460	172 - 261	31	2200	4			
31470							
32460	217 - 330	32	2600	3			
32470							

Flann Waveguide Bends are available in E and H plane configuration with an angle of 90°. Bends of 30°, 45° and 60° can be supplied to special order.

Bends in the range WG10 to WG19 inclusive utilise a mitred casting with a VSWR typically better than 1.05. Bends from WG20 to WG28 inclusive are sections of waveguide which are precisely bent to the required angle with a VSWR of typically 1.05 to 1.10 depending on the model.

Precision Bent

Mitred Casting

**ORDERING INFORMATION**  
 Model: Bend Angle Suffix; Description  
 Example: Model 23460-45 45° waveguide bend.  
 WG23, 45°, E plane bend

Bend Angle (°)	Suffix
90	90
60	60
45	45
30	30

Series 460/470