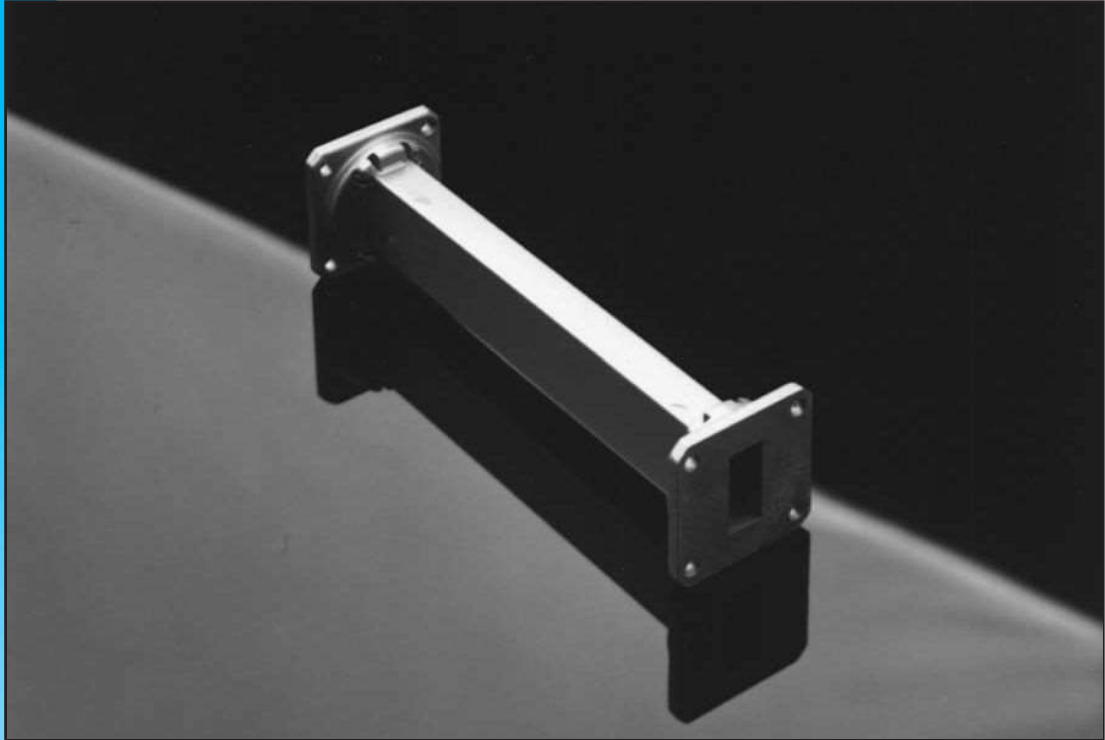


## WAVEGUIDE STRAIGHT SECTIONS



PENN ENGINEERING specializes in Straight Waveguide Sections with almost any flange combination. Straight Sections are available in various materials such as OFHC Copper, 90-10 Bronze, Aluminum, Silver, Invar, and Stainless Steel.

Copper alloys are Silver Plated per QQ-S-365D Class A. Aluminum parts are Chem-filmed per MIL-C-5541E. Straights Sections are finished with PENN ENGINEERING'S Polyurethane Blue Paint.

Overall Length is specified in part number.

Note: Stainless Steel and Invar Straight Sections have Brass Flanges and no plate or paint as standard. Copper Straight Sections are Painted, but not Plated as standard. Special finishes and flanges are available as an option.

### **PENN ENGINEERING COMPONENTS**

12750 RAYMER ST.  
N. HOLLYWOOD  
CALIFORNIA 91605

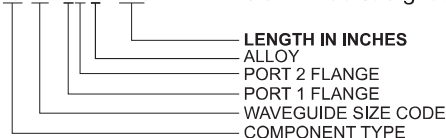
**(818) 503-1511**

FAX (818) 764-0195

[www.pennengineering.com](http://www.pennengineering.com)

### ORDERING INFORMATION - TO ORDER, USE THE FOLLOWING EXAMPLE:

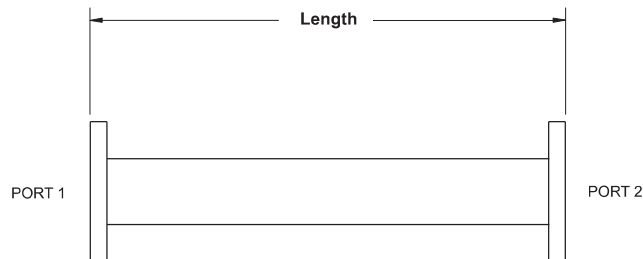
MODEL 4042-11B12.5 .....Is a WR-90 straight section cover/cover in brass 12.5" long



**ALLOY:** A=ALUMINUM B=BRASS C=COPPER S=SILVER SS=STAINLESS STEEL  
**FLANGE:** 1=COVER 2=CHOKE 3=CMR 4=CPRG 5=CPRF

(See last page for complete list of flanges and materials)

## STRAIGHT SECTIONS



Model No.	Waveguide EIA	Frequency range GHz
4064	WR 650	1.12 - 1.70
4062	WR 510	1.45 - 2.20
4060	WR 430	1.70 - 2.60
4058	WR 340	2.20 - 3.30
4056	WR 284	2.60 - 3.95
4054	WR 229	3.30 - 4.90
4052	WR 187	3.95 - 5.85
4050	WR 159	4.90 - 7.05
4048	WR 137	5.85 - 8.20
4046	WR 112	7.05 - 10.0
4044	WR 102	7.00 - 11.0
4042	WR 90	8.20 - 12.4
4040	WR 75	10.0 - 15.0
4038	WR 62	12.4 - 18.0
4036	WR 51	15.0 - 22.0
4034	WR 42	18.0 - 26.5
4032	WR 34	22.0 - 33.0
4030	WR 28	26.5 - 40.0
4028	WR 22	33.0 - 50.0
4026	WR 19	40.0-60.0
4024	WR 15	50.0 - 75.0
4022	WR 12	60.0 - 90.0
4020	WR 10	75.0 - 110.0