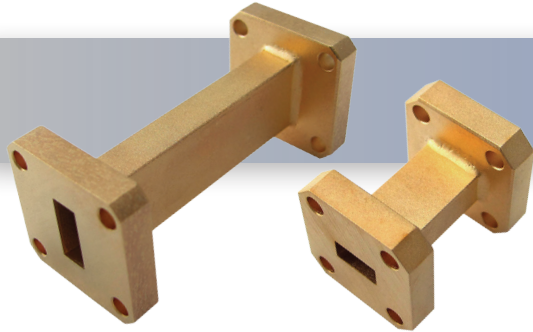


Part No:

HWSS42-1.5-ES



WR-42 Millimeter Waveguide Straight Section, 1.5 Inch 18 GHz to 26.5 GHz, K-Band

The HASCO WR-42 Millimeter Waveguide Straight Section **HWSS42-1.5-ES** operates from 18 GHz to 26.5 GHz. This WR-42, K-Band waveguide straight section is constructed with a Square UG-595/U Flange.

HASCO rectangular waveguides are manufactured from brass, OFHC copper, aluminum or coin silver. Waveguides have significant advantages over coaxial transmission in power handling, insertion loss and signal integrity (leakage and electromagnetic interference - EMI).

HASCO offers a series of millimeter waveguide straight sections, E-Bends, H-Bends and 90° Twists. Anti-cocking flanges available if required. All are available in standard and custom lengths covering the waveguide sizes WR-3, WR-4, WR-5, WR-6, WR-8, WR-10, WR-12, WR-15, WR-19, WR-22, WR-28, WR-34 and WR-42. Square waveguide flanges are available in WR-22, WR-28, WR-34 and WR-42. Please contact HASCO for custom options.

Specifications

• Frequency Range	18 GHz to 26.5 GHz
• VSWR	1.02:1
• Impedance	50 Ohms
• Length	1.5 inch
• RF Ports	WR-42 Waveguide with UG-595/U Flange

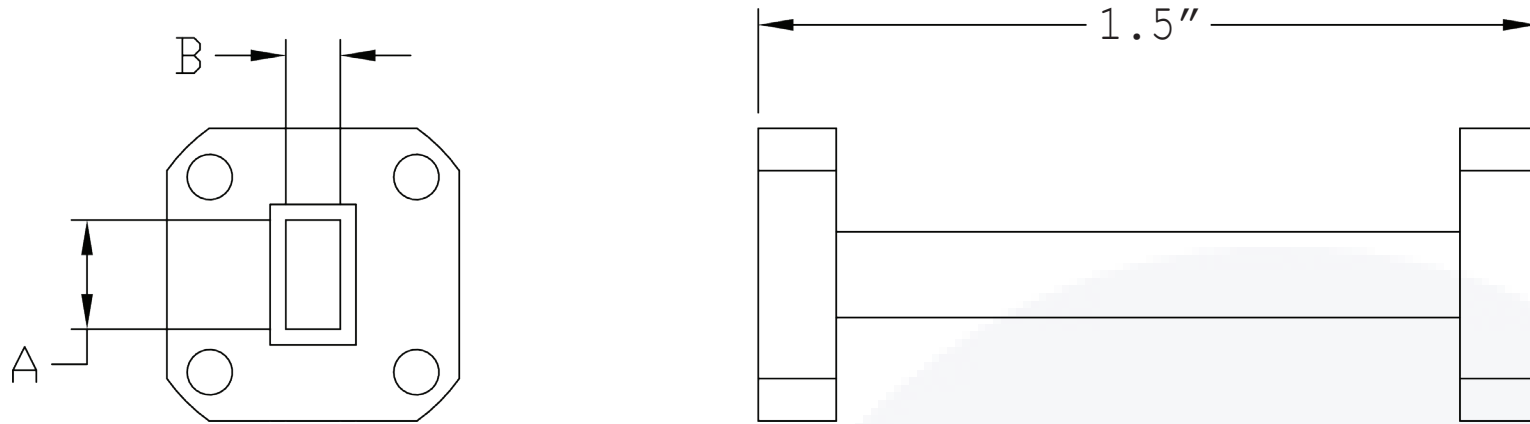
Environmental Data

• Temperature Range	220°C Max
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Material

• Waveguide	OFHC Copper
• Flange	Square UG-595/U, Brass
• Finish	Gold Plated per MIL-DTL-45204

HWSS42-1.5-ES | 18 GHz to 26.5 GHz | Outline Drawing



Part Number	WG Size	DIM A	DIM B
HWSS42-X.X-ES	WR-42	0.420	0.170
HWSS34-X.X-ES	WR-34	0.340	0.170
HWSS28-X.X-ES	WR-28	0.280	0.140

LTR	DESCRIPTION	DATE	APPR.	CREATED BY: <i>JMS</i>	CHECKED BY: <i>TAC</i>
-	RELEASE	08/19	TAC	APPROVED BY: <i>TAC</i>	
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MATERIALS: SEE DATA SHEET	CAGE CODE: 0T8L4	SCALE: N/A	SIZE: A
FINISHES: SEE DATA SHEET	PART NO./DRAWING NO. HWSS42-1.5-ES		REV: -