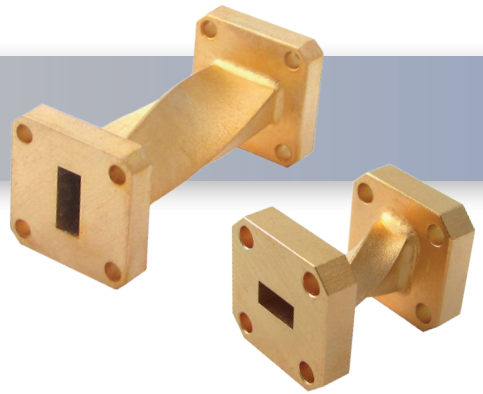
Part No:

HWTW28-1-ES



WR-28 Millimeter Waveguide 90° Twist, 1 Inch 26.5 GHz to 40 GHz, Ka-Band

The HASCO WR-28 Millimeter Waveguide 90° Twist **HWTW28-1-ES** operates from 26.5 GHz to 40 GHz. This WR-28, Ka-Band waveguide 90° twist is constructed with a Square UG-599/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	26.5 GHz to 40 GHz
• VSWR	1.02:1
• Impedence	50 Ohms
• Length	1 inch
• RF Ports	WR-28 Waveguide with UG-599/U Flange

Environmental Data

• Temperature Range	220°C Max

Material

• Waveguide	OFHC Copper
• Flange	Square UG-599/U, Brass
• Finish	Gold Plated per MIL-DTL-45204

Product specifications subject to change without notification.

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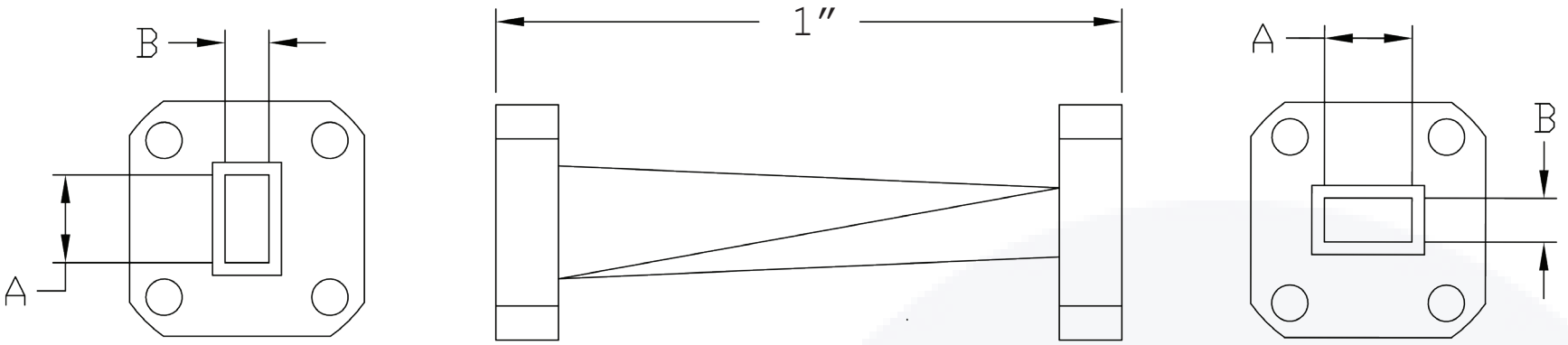
HWTW28-1-ES | 26.5 GHz to 40 GHz | Outline Drawing



Part Number	WG Size	DIM A	DIM B
HWTW42-X-ES	WR-42	0.420	0.170
HWTW34-X-ES	WR-34	0.340	0.170
HWTW28-X-ES	WR-28	0.280	0.140

LTR	DESCRIPTION	DATE	APPR.
-	RELEASE	08/19	TAC

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CREATED BY: *JMS* | CHECKED BY: *TAC*

APPROVED BY: *TAC*

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MATERIALS:	CAGE CODE:	SCALE:	SIZE:
SEE DATA SHEET	0T8L4	N/A	A
FINISHES: SEE DATA SHEET	PART NO./DRAWING NO. **HWTW28-1-ES**		REV: -

Product specifications subject to change without notification.

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