

Part No:

# HWMT10-9030T-ER



## WR-10 Magic Tee, W-Band - 75 to 105 GHz

### Electrical

• Frequency Range	75 - 105 GHz
• Insertion Loss	1.0 dB Max
• Return Loss	14 dB Min (H port), 12.5 dB Min (E port)
• Isolation	30 dB Min E to H ports, 20 dB Min Colinear ports
• Balance	0.5 dB Max
• Waveguide	WR-10
• Flange	UG-387/U-M

### Material

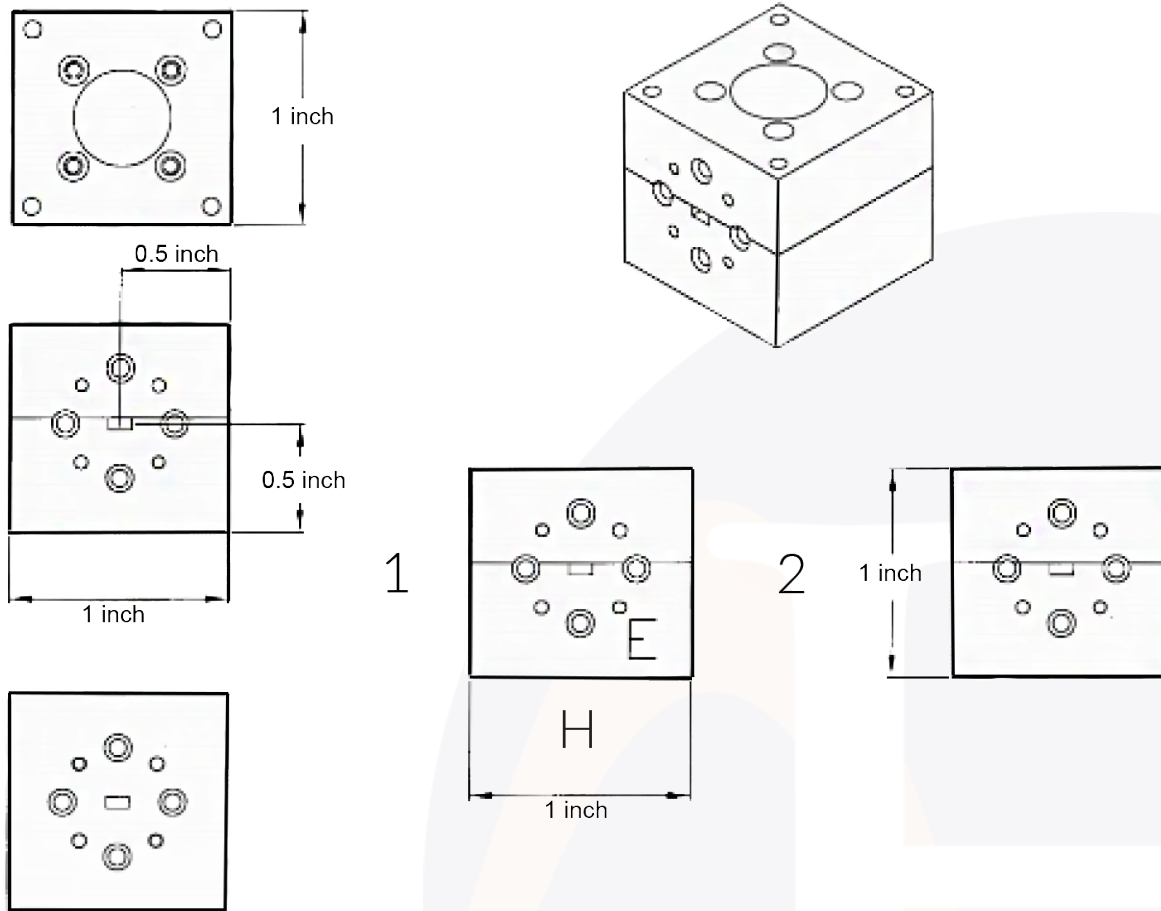
• Material	Brass
• Finish	Gold Plated

The HASCO **HWMT10-9030T-ER** is a W-band Magic Tee that covers the frequency range of 75 to 105 GHz. A Waveguide Magic Tee is a four-port hybrid coupler and/or power divider with two collinear arms, an E-plane (difference) arm and an H-plane (sum) arm. The Magic Tee offers a 0.3 dB nominal insertion loss and high isolation between the two collinear arms and between the sum and difference arms. All waveguide ports have standard WR-10 waveguides with UG-387/U-M flanges.

Note: 4th port internally terminated - No external termination required.

HASCO stocks an extensive selection of waveguide components, including Attenuators, Bends, Terminations and more, operating from 18 to 325 GHz. All are available in standard and custom lengths covering the waveguide sizes WR-3 to WR-112.

WR-10 Magic Tee, W-Band | 75 - 105 GHz | Outline Drawing



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	6/23	TC		APPROVED BY: TC
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MATERIALS:  
 SEE DATA SHEET

CAGE CODE:  
 OT8L4

SCALE:  
 N/A

SIZE:  
 A

FINISHES:  
 SEE DATA SHEET

PART NO./DRAWING NO.

**HWMT10-9030T-ER**

REV:

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