

Part No:

HWMT12-7330T-ER



WR-12 Magic Tee, E-Band - 60 to 86 GHz

Electrical

• Frequency Range	60 - 86 GHz
• VSWR	1.5:1 Max
• Insertion Loss	0.35 dB Typical
• 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
• Power	1.5 W Max
• Waveguide	WR-12
• Flange	UG-387/U

Material

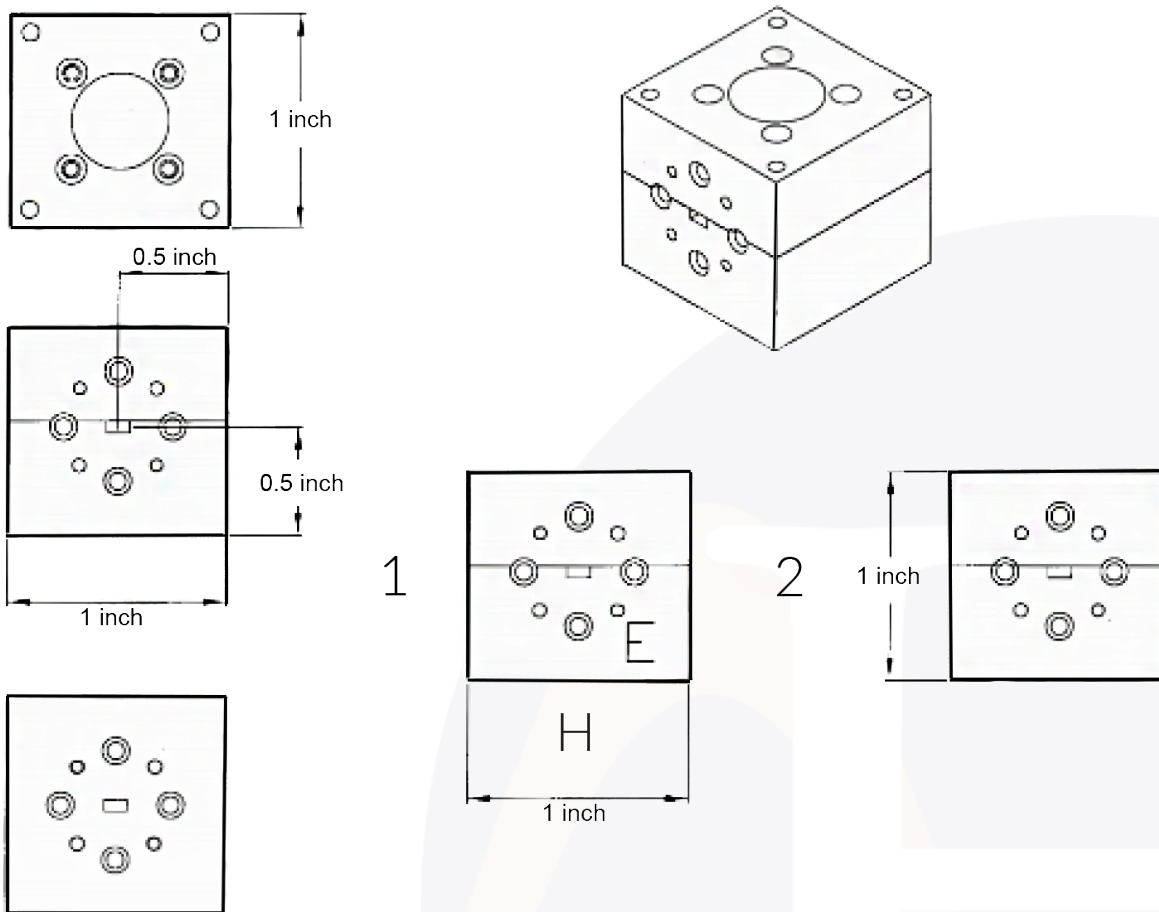
• Material	Brass
• Finish	Gold Plated

The HASCO **HWMT12-7330T-ER** is a E-band Magic Tee that covers the frequency range of 60 to 86 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-12 waveguides with UG-387/U 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-12 Magic Tee, E-Band | 60 - 86 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: 0T8L4	SCALE: N/A	SIZE: A
FINISHES: SEE DATA SHEET	PART NO./DRAWING NO. HWMT12-7330T-ER		REV: -