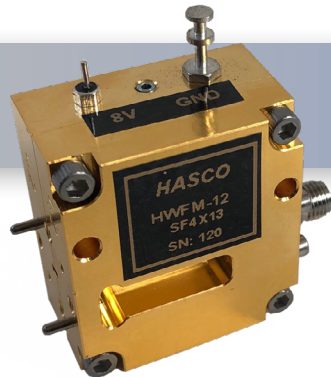


Part No:

# HWFM12-SF6X12



## Full Band Active Multiplier, WR-12, E-Band, 71 to 86 GHz

### Electrical

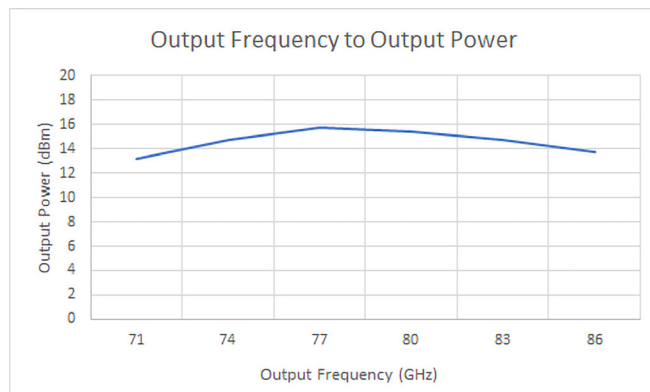
• Output Frequency	71 ~ 86 GHz
• Input Frequency	11.83 to 14.33 GHz
• Input Power	6 to 15 dBm
• Multiplication Factor	X6
• Output Power	12 dBm min, 13 dBm typ.
• DC	+8V @ 600 mA typ
• Signal Purity	-20 dBc typ

### Material

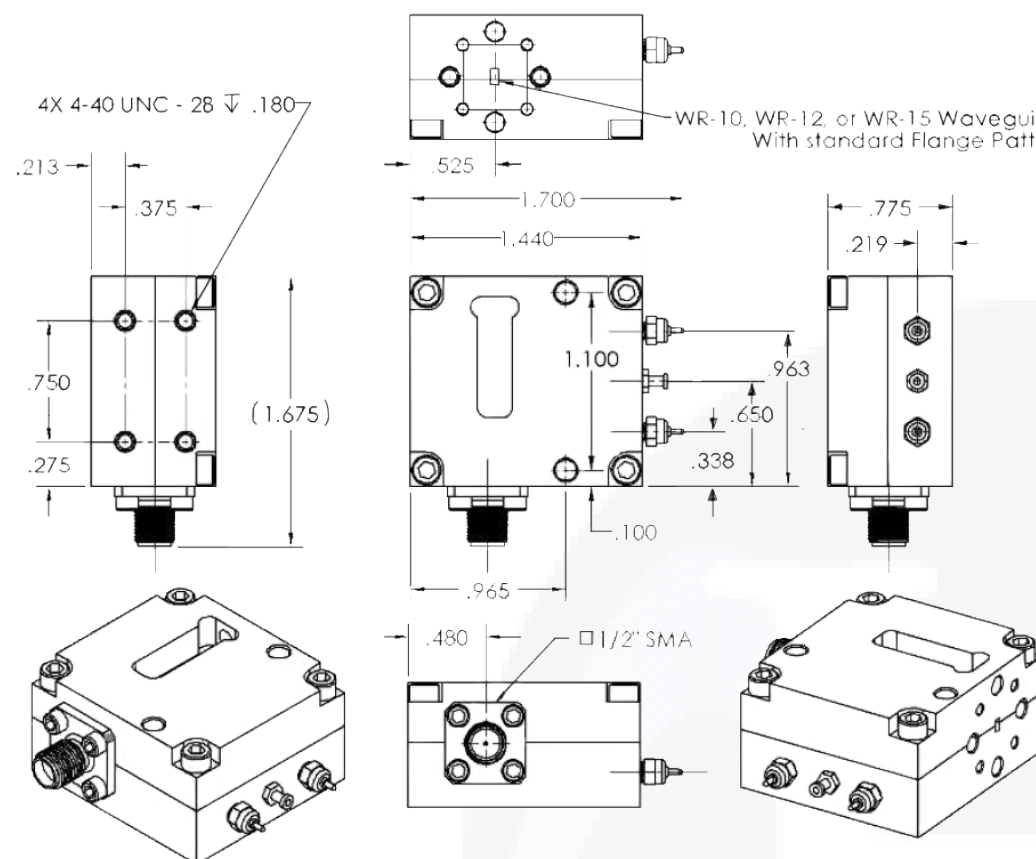
• Waveguide	Gold Plated Aluminum
• Waveguide Flange	WR-12, UG-387/U
• SMA Connector Housing	Passivated Stainless Steel
• SMA Connector Center Contact	Gold Plated BeCu

The HWFM12-SF6X12 is a high performance full band active multiplier at an excellent value. This multiplier operates using a single positive voltage from 7-12VDC. Internal reverse bias protection ensures reliability.


The HWFM12-SF6X12 is a Full Band WR-12 Active Multiplier. This Multiplier can be used as a E-Band Frequency Extender. It operates in frequency from 71 to 86 GHz with an Output Power of +12 dBm min. Multipliers are useful in test labs or in a system. The Output Power is adequate to drive Balance Mixers in Up-Converters and Down-Converters for Transmitters and Receivers. Fin: 11.83 to 14.33 GHz, Fout: 71 to 86 GHz.



# Full Band Active Multiplier, WR-12, E-Band | 71 ~ 86 GHz | Outline Drawing



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: JMS	CHECKED BY: TAC
-	RELEASE	05/20	TAC	APPROVED BY: TAC	
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MATERIALS:	CAGE CODE:	SCALE:	SIZE:
SEE DATA SHEET	0T8L4	N/A	A
FINISHES:	PART NO./DRAWING NO.		REV:
SEE DATA SHEET	HWFM12-SF6X12		-