

Part No:

HWMX12-SFE



WR-12 Balanced Mixer, E-Band - 60 to 90 GHz

Electrical

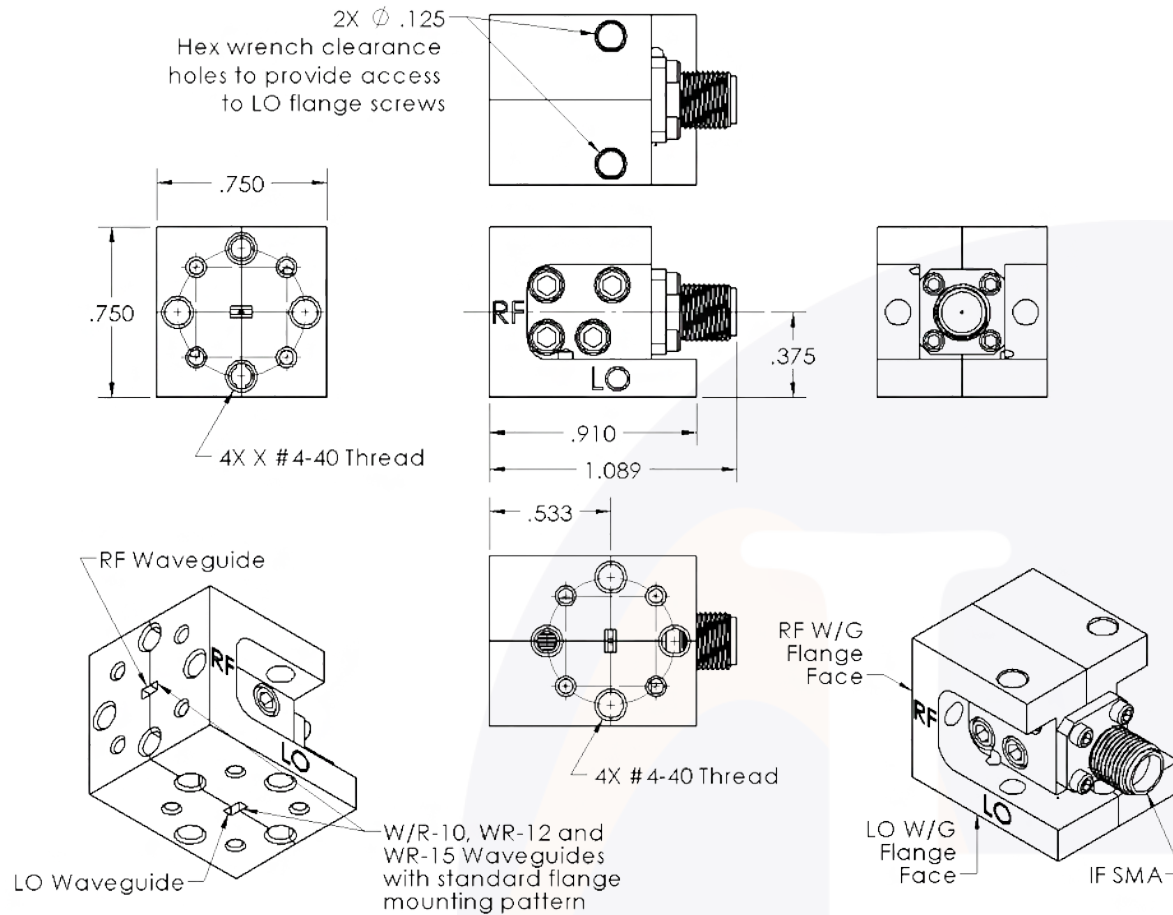
• Waveguide	WR-12
• Frequency Range	60 - 90 GHz
• LO Frequency	60 - 90 GHz
• LO Input Power	+13 dBm Typ.
• IF Frequency	0.1 - 10 GHz
• Conversion Loss	9 dB Typ.
• LO/RF Isolation	+20 dB Typ.

Material

• Body	Gold plated Aluminum
• Waveguide Out	UG-387/U
• SMA Connector	Passivated Stainless Steel
• SMA Contact	Gold plated BeCu

The HWMX12-SFE is a Full E-Band Balanced Mixer. This mixer is designed using the best performance GaAs Schottky beam-lead diodes. These mixers offer excellent low conversion loss and great port to port Isolation. The LO Power required to drive this mixer only needs 13 dBm LO power. The IF operates from DC to 10 GHz. The same mixer can be used as an Up-converter or a Down-converter. This design is very high performance and offered at a great value.

WR-12 Balanced Mixer, W-Band | 60 to 90 GHz | Outline Drawing



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	5/20	TAC		APPROVED BY: TC
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MATERIALS:
SEE DATA SHEET

CAGE CODE:
0T8L4

SCALE:
N/A

SIZE:
A

FINISHES:
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PART NO./DRAWING NO.

HWMX12-SFE

REV:
A