

Part No:

HWMX10-SFW



WR-10 Balanced Mixer, W-Band - 75 to 110 GHz

Electrical

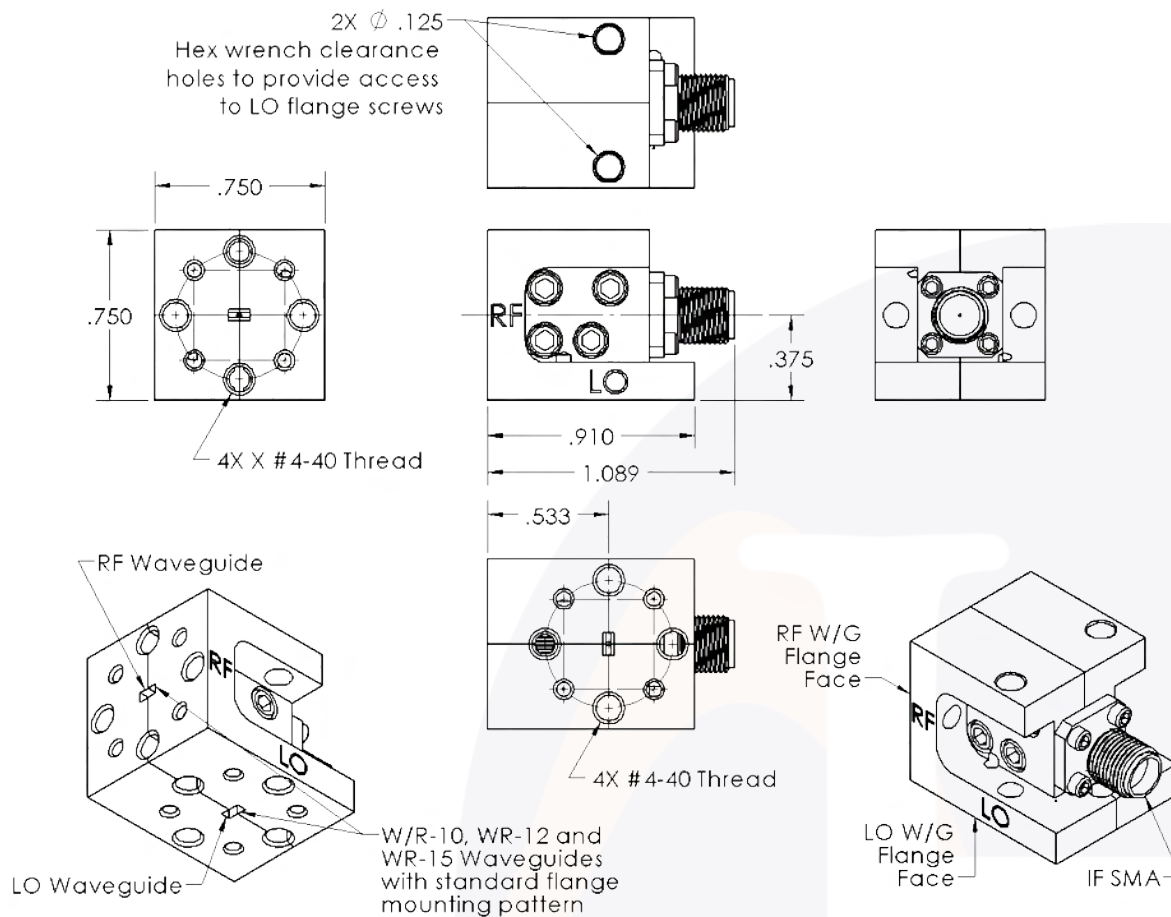
• Waveguide	WR-10
• Frequency Range	75 - 110 GHz
• LO Frequency	75 - 110 GHz
• LO Input Power	+10 dBm Typ., +13 dBm Max
• IF Frequency	0.1 - 10 GHz
• Conversion Loss	9.5 dB Typ.
• LO/RF Isolation	+20 dB Typ.

Material

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

The HWMX10-SFW is a Full W-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 10 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-10 Balanced Mixer, W-Band | 75 to 110 GHz | Outline Drawing



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MATERIALS:

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FINISHES:

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CAGE CODE:

0T8L4

SCALE:

N/A

SIZE:

A

PART NO./DRAWING NO.

HWMX10-SFW

REV:

A