

Part No:

# HWFM28-SF2X23



## *WR-28 Active Multiplier with SMA Female Connector, Ka-Band - 26.5 to 40 GHz Output Frequency*

### Electrical

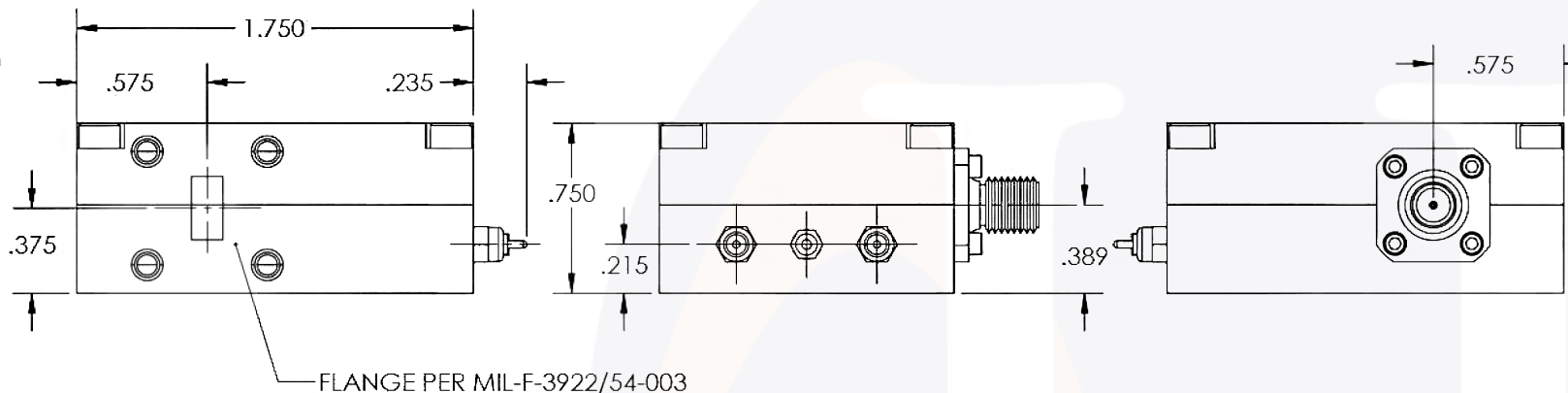
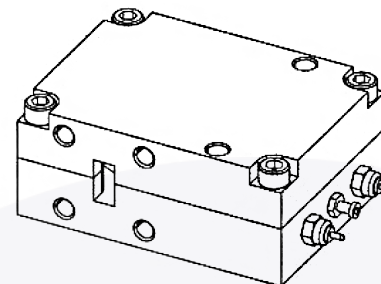
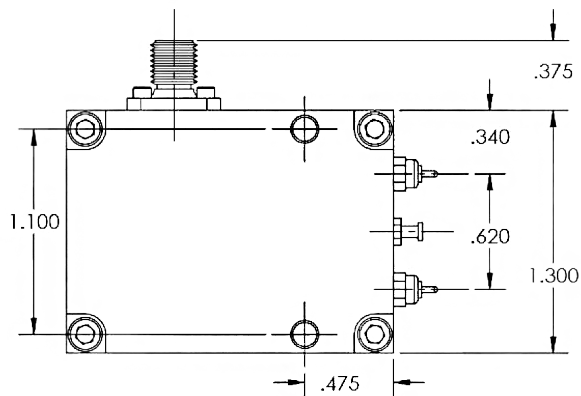
|                    |                            |
|--------------------|----------------------------|
| • Waveguide        | WR-28                      |
| • Input Frequency  | 13.25 - 20 GHz             |
| • Input Power      | 5 - 10 dBm                 |
| • Multiplication   | x2                         |
| • Output Frequency | 26.5 - 40 GHz              |
| • Output Power     | 21 dBm min, 23 dBm typical |
| • Signal Purity    | -20 dBc typical            |
| • DC               | 8V @ 500 mA typical        |

### Material

|                 |                            |
|-----------------|----------------------------|
| • Body          | Gold plated Aluminum       |
| • Waveguide Out | UG-599/U                   |
| • SMA Connector | Passivated Stainless Steel |
| • SMA Contact   | Gold plated BeCu           |

The HWFM28-SF2X23 is a Full Band WR-28 Active Multiplier. This Multiplier can be used as a Ka-Band Frequency Extender. It operates in frequency from 26.5 to 40 GHz with an Output Power of +21 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.

# WR-22 Active Multiplier with SMA Female Connector, Q-Band | 33 to 50 GHz | Outline Drawing



|                                       |             |      |       |  |                 |
|---------------------------------------|-------------|------|-------|--|-----------------|
| LTR                                   | DESCRIPTION | DATE | APPR. | DRAWN BY: NS   | REVIEWED BY: JS |
| -                                     | RELEASE     | 8/23 | TAC   |  | 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.

**HWFM28-SF2X23**

REV:

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