

DESCRIPTION

The HMM Series Multipliers cover the range from 60 to 325 GHz. A number of full band doubler and tripler designs provide the designer with solutions for many applications. These multipliers are used as frequency extenders in test equipment and as mixer LO's. Their high bandwidths and small size also make them an ideal choice in subsystems.

No DC bias is required.



Applications

Test Equipment
Local Oscillators
Integrated systems

Features

High Efficiency
High Stability
Compact Size
Rugged Construction

Specifications @ 35°C T_{CASE}, Specifications subject to change w/o notice.

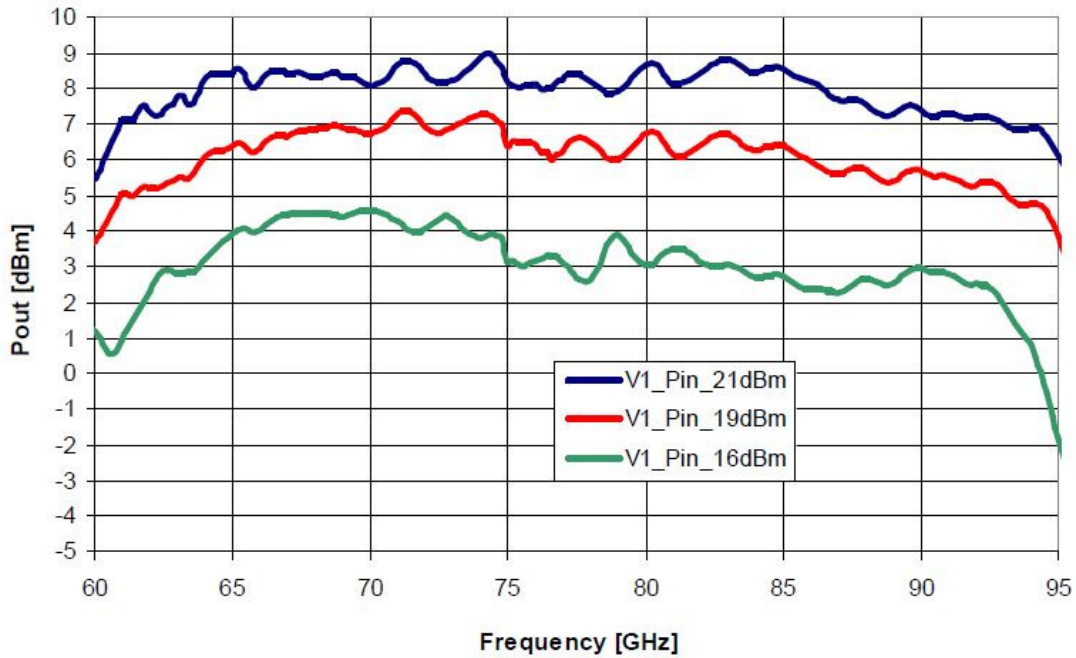
| Model Number | Input Frequency (GHz) | Output Frequency (GHz) | Output Connector | Input Power (dBm) | Typical Output Power (dBm) | Input Connector |
|--------------|-----------------------|------------------------|---------------------|-------------------|----------------------------|---------------------|
| HMM3E-026 | 20.0 - 30.0 | 60.0 - 90.0 | WR-12 UG-387/U | +23 | +7 | 2.9 mm female |
| HMM3W-027 | 25.0 - 36.66 | 75.0 - 110.0 | WR-10 UG-387/U-M | +23 | +7 | WR-28 UG-599/U |
| HMM3D-023 | 36.66 - 56.66 | 110.0 - 170.0 | WR-6 UG-387/U-M | +5 to +13 | -6 | WR-19 UG-383/U |
| HMM2G-022 | 87.5 - 100.0 | 175.0 - 200.0 | WR-5 UG-387/U-M | +20 to +23 | +12 to +19 | WR-10 UG-387/U-M |
| HMM3G-024 | 46.66 - 73.33 | 140.0 - 220.0 | WR-5 UG-387/U-M | +5 to +13 | -6 | WR-15 UG-385/U |
| HMM3J-025 | 73.33 - 108.33 | 220.0 - 325.0 | WR-3 UG-387/U-M | +5 to +13 | -7 | WR-10 UG-387/U-M |

Notes

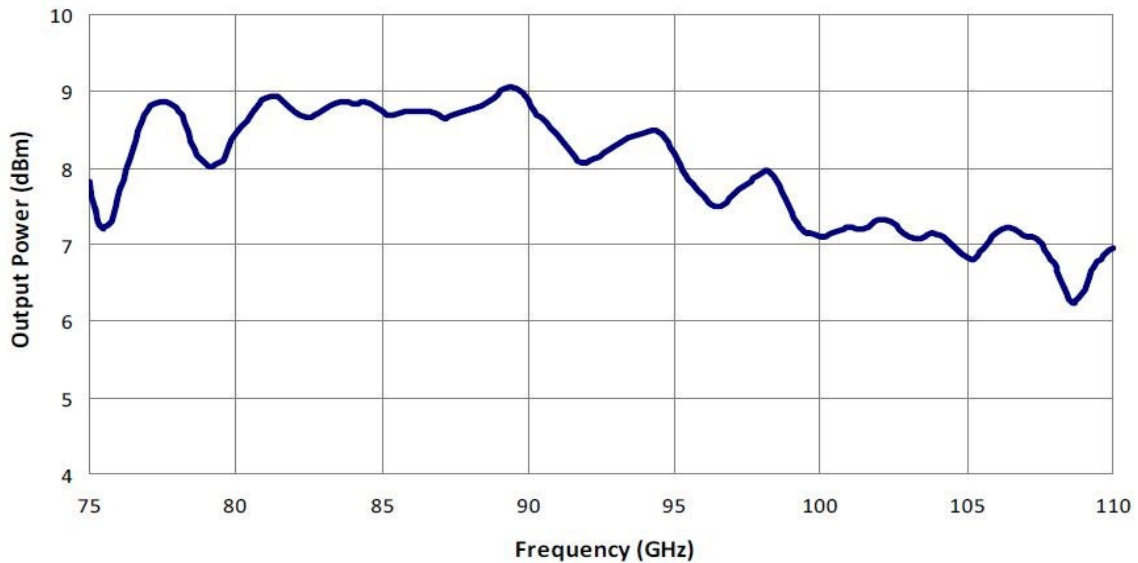
0 to +50°C is standard operating temperature range.

OUTPUT POWER PROFILES

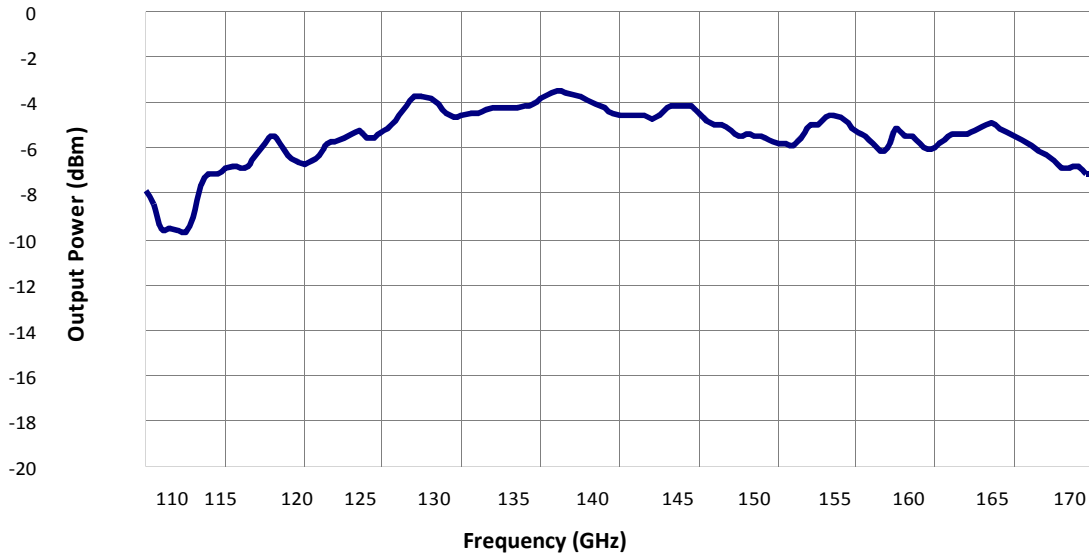
Output Power – HMM3E-026



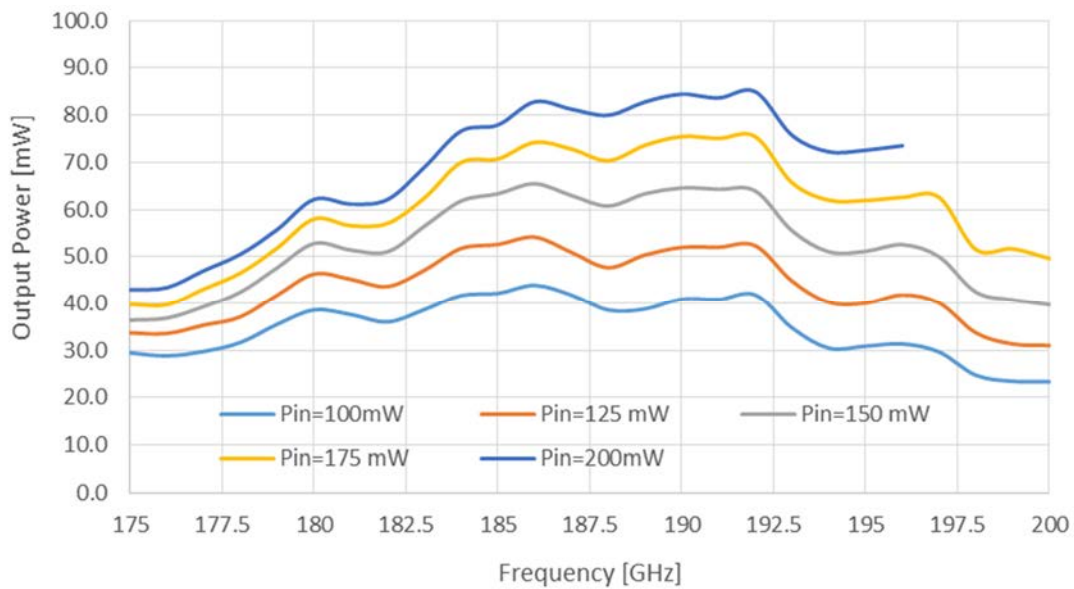
Output Power – HMM3W-027



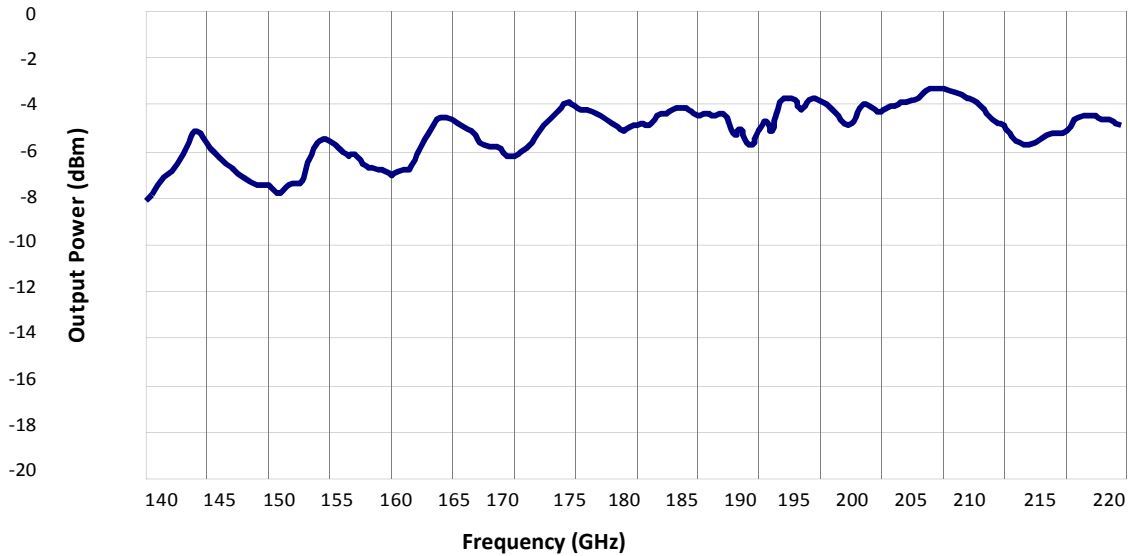
Output Power – HMM3D-023



Output Power - HMM2G-022



Output Power – HMM3G-024



Output Power – HMM3J-025

