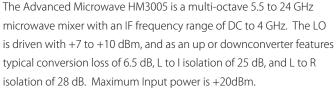
Part No:





The HM3005 is RoHS compliant.



The Advanced Microwave Mixer offers an ultra wideband matching structure with a quad matched monolithic Schottky barrier diode, resulting in a broad band mixer with low conversion loss and low spurious response. The planar construction allows optimum phase and amplitude matching and tracking over a wide frequency range.

Advanced Microwave mixers can also be used for biphase and pulse modulation where the carrier signal is fed into LO and the modulated signal will appear at the RF port when a bipolar signal is fed into the IF port. The phase of the output signal will shift to 180 degrees when a reversal of polarity occurs. The current into the IF port is limited to 25 milliamps.



Advanced Microwave Multi-Octave Microwave Mixer SMA Female, 5.5 GHz to 24 GHz

Mixer Specifications

• Frequency Range RF/LO 5.5 - 24 GHz

• Frequency Range IF DC - 4 GHz

• Conversion Loss 6.5 dB Typ., 11 dB max.

L/R Isolation 28 dB Typ., 22 dB min.
L/I Isolation 25 dB Typ., 18 dB min.

• LO Drive Level +7 to +10 dBm

• Input P1 dB +4 dBm min.

Noise Figure Conv. Loss +0.5 dB

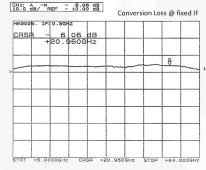
• Max Input Power +20 dBm

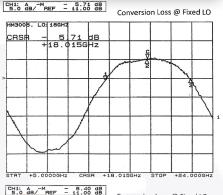
• Operating Temperature -40° to $+85^{\circ}$ C

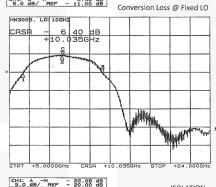
• Storage Temperature -54° to +125°C

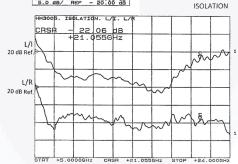
• ESD Sensitive Handle only in ESD Workstation

NOTE: Data shown here is actual plotted data. It is not computer generated.









To view online, go to: https://www.hasco-inc.com/mixers/multi-octave-microwave-mixer-sma-female-5-5-ghz-to-24-ghz-with-if-range-of-dc-to-4-ghz-lo-power-7dbm-to-10dbm/

