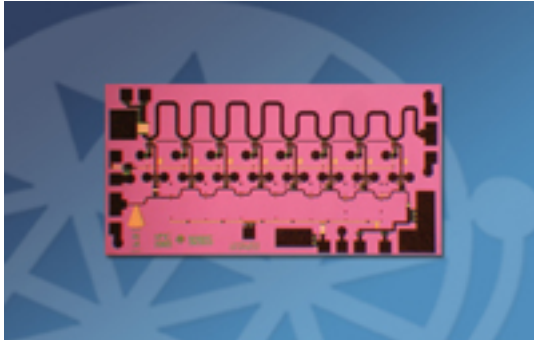


Wideband GaAs PHEMT MMIC Power Amplifier Covers Dc to 40 GHz



Hittite Microwave has introduced a GaAs pHEMT MMIC Power Amplifier for test instrumentation, microwave radio, and military and space applications from DC to 40 GHz. The HMC930 is a GaAs pHEMT MMIC Distributed Power Amplifier die that operates between DC and 40 GHz, and delivers up to 13 dB of gain, +33.5 dBm output IP3 and +22 dBm of output power at 1 dB gain compression. The input and output return losses of the HMC930 are better than 12 dB and 16 dB respectively, across the band. The gain flatness is ± 0.3 dB from 12 GHz to 32 GHz. This power amplifier die occupies less than 4.25 mm², consumes 175 mA from a +10-V supply, and is specified for operation over the -55 °C to +85 °C temperature range.

Hittite Microwave

978-250-3343, www.hittite.com [1]

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