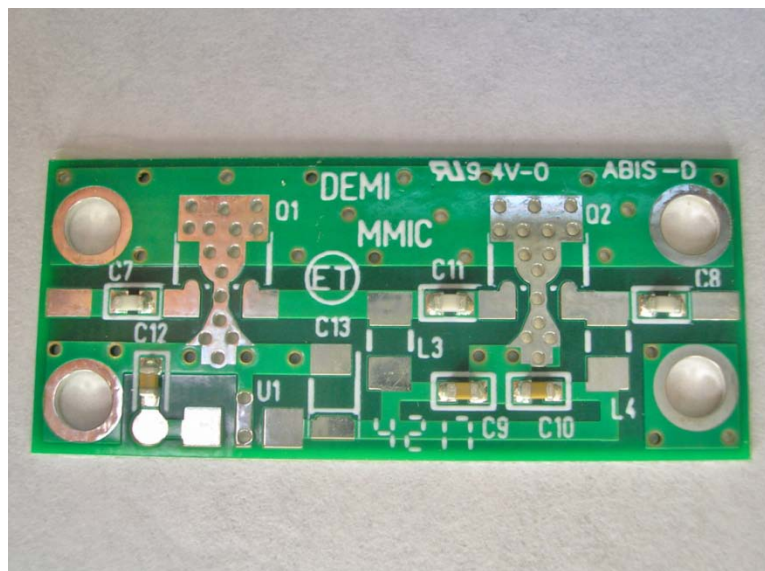


DEM MMIC AMP Wide Band MMIC Amplifiers

Description:

We have produced a new MMIC circuit board that is designed to fit in our latest LNA amplifier machined enclosure. This circuit board has provisions for two MMIC RF stages and can produce various amplifiers such as Low Noise, basic Line Drivers, or low level TX amplifiers by utilizing any of the MMIC's that we now stock. We will list different MMIC line ups with specifications generic in nature and will provide them as assembled and tested amplifiers, complete kits with enclosures and connectors and PC Board only kits that will interest the VHF/UHF and Microwave enthusiasts of the hobby.



The circuit board is manufactured with an RF grade 0.031" thickness. 1 oz copper and is populated with standard DC blocking and bypassing required through 4 GHz of operation. The board is specifically designed with SOT89 packages in mind but other packages may be utilized. Standard MMIC designs will be utilized and depending on specifications, biasing will be determined with internal regulation or the application of a standard external voltage. Connector choice may be requested with the combination of BNC, SMA or Type "N" for any assembled unit or complete kit.

Pricing will vary depending on the MMIC utilized and if the amplifier is Single or Dual stage. Special RF connections may also vary pricing. It should be understood that these amplifiers are wide band in nature but serve a purpose as drivers in TX amplifiers, IF gain stages, and 2nd stage RX amplifiers. Filtering is suggested if utilizing a MMIC amplifier in a narrow band circuit.