Operational Description

M/A-COM's MD59-0022 is a fully integrated upconverter / Driver IC. It includes a balanced IF amplifier, upconverting mixer, two stage driver amplifier and LO buffer amplifier in a miniature TSSOP-16 plastic package. The backside of the lead frame is exposed to facilitate excellent RF grounding and thermal transfer.

The MD59-0022 is ideally suited for CDMA handset applications where high linearity and low power consumption are important transmitter requirements. The MD59-0022 can also operate in a low power mode to extend system battery life.

The MD59-0022 is fabricated using M/A-COM's 0.5 micron low noise E/D GaAs MESFET process. The process features full passivation for increased performance and reliability.