

Operational Description - WO 82564

The SCA9323-30C is a single-channel power amplifier that operates in the 25 MHz frequency band from 869 MHz to 894 MHz. It is designed for use in an amplifier system that is modular in design, and is ideally suited for use in GSM/EDGE base stations. The amplifier is capable of transmitting at 30 watts of power in either GMSK or EDGE modulation. All solid-state, the amplifier is designed to provide trouble-free operation with minimum maintenance. The system's modular construction and unique and highly effective operational status and fault monitoring circuitry help minimize downtime. The turn-on and turn-off sequences of voltages are fully automatic, as is overload protection.

Each amplifier module has an I/O connector that allows the host system to monitor the amplifier module performance. Primary power for the amplifier is -48 Vdc. The amplifier has an integrated heat sink for cooling.