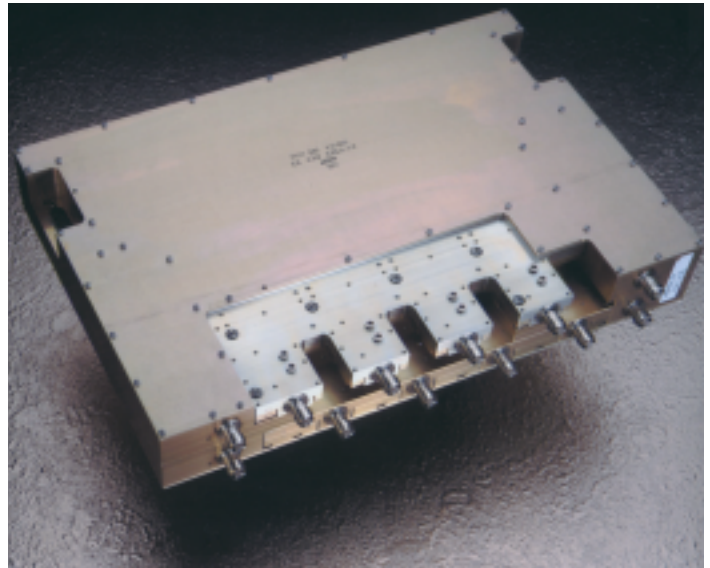


MODEL AY-G64S

4 X 8 High Power, High Isolation, Switch Matrix, Cellular/GSM TECHNICAL BULLETIN

Description

The Model AY-G64S switch, is a “non blocking” PIN diode switched array, that combines four (4) transmitter input signals to any of (8) outputs. A combination of PIN diode switches and combiners, are enabled to combine input power of up to 200 Watts average, and re-distribute to any, or all of the output ports. The unit also includes integral terminated double junction ferrite circulators for reverse signal isolation, and forward and reverse directional couplers in each output path, for power and antenna monitoring functions.



SPECIFICATIONS

Frequency range:	925-960 MHz
Maximum input power:	47 dBm
Input/output return loss:	14 dB Min.
Rf to bias filtering:	50 dB Min.
Insertion loss:	8.2 dB Max.
Isolation:	
Between any two inputs:	83 dB Min.
Reverse Tx out to Tx input:	60 dB Min.
Input to “off” output:	30 dB Min.
Tx to “off” output:	30 dB Min.
Intermods:	90 dBc
((4) 50 watt inputs)	

