

MEDIUM-HIGH POWER PIN DIODE SWITCH

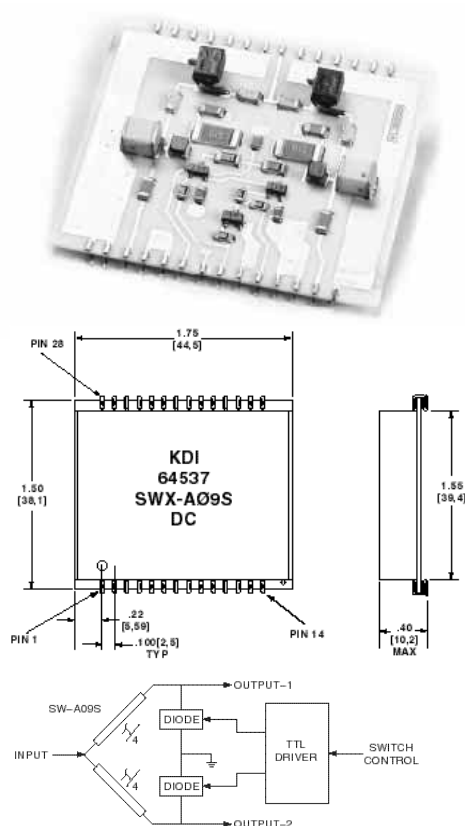
MODEL SWX-A09S

ELECTRICAL SPECIFICATIONS

Frequency Range:	130-155 MHz
Isolation:	20 dB min
Insertion Loss:	0.5 dB max
VSWR:	5:1 Worst Case (1.5 nominal at highest power)
Switching Speed:	20 microsec typical
RF Power:	100 Watts Peak, 25 μ sec pulse (approximately 20watts average)
DC Requirements:	+5VDC at +100mA; -24VDC at 10mA
Ambient Temperature:	-20 to 70 °C

Pin Outs	
Signal	Pin No.
TTL Control	22
RF Input	7
RF Output	17, 27
+5VDC	24
-24VDC	20
GND	1-6, 8-16, 18, 19, 21, 23, 25, 26, 28

TTL	Path
1	Out @ Pin 27
0	Out @ Pin 17



PCS FREQUENCY MONITOR, POWER

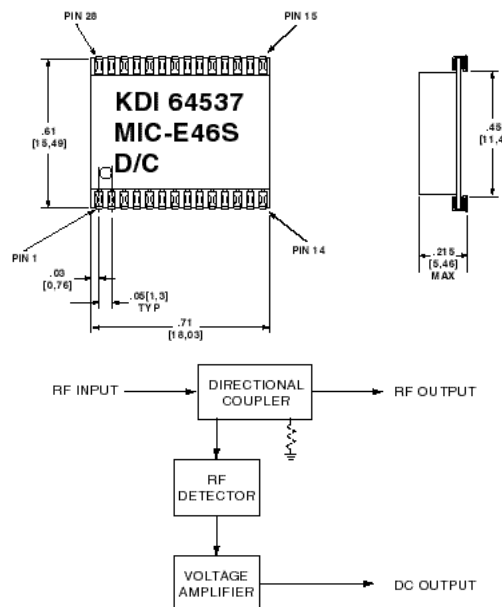
MODEL MIC-E46S

ELECTRICAL SPECIFICATIONS

Frequency Range:	1.7-2.0 GHz
Path Loss:	0.35dB max
VSWR (in, out):	1.35:1 typical
Input Power:	-8 – +12dBm
Det Out:	0 – +5V typical
DC Power:	+5V/1mA @ Det. Not loaded

Pin Outs	
Signal	Pin No.
+5VDC	2
DC Output	13
RF Input	27
RF Output	16
GND	1, 3-12, 14, 15, 17-26, 28

Tested @ 1750 MHz	
Power Level	DC Voltage
-8 dBm	75mv
-3.7 dBm	100mv
-0.5 dBm	150mv
1 dBm	200mv
3.9 dBm	400mv
5.2 dBm	600mv
6.1 dBm	800mv
6.8 dBm	1v
9.1 dBm	2v
10.5 dBm	3v
12 dBm	4.55v



KEY: Inches[Millimeters] .XX $\pm$.03 .XXX $\pm$.010 [.X $\pm$ 0.8 .XX $\pm$ 0.25]