

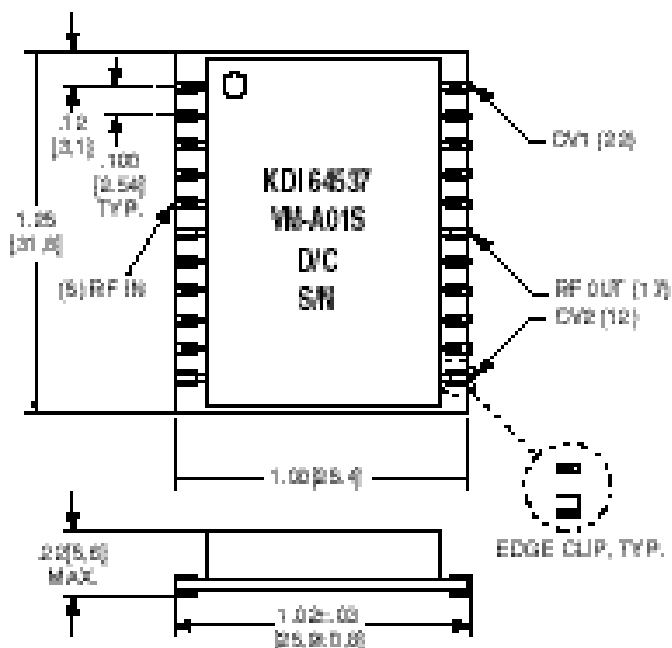
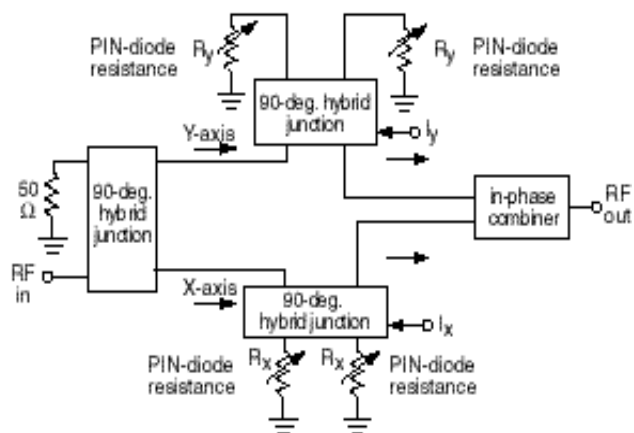
VECTOR MODULATOR

ELECTRICAL CONNECTIONS

Signal	Pin No
RF In	5
RF Out	17
Control Voltage 1	22
Control Voltage 2	12
Gnd	1-4, 6-11, 13-16, 18-21

ELECTRICAL SPECIFICATIONS

Frequency Range:	800–900 MHz
Phase Shift Range:	360 Minimum
Attenuation Range:	14 dB Minimum
Insertion Loss:	10 dB Maximum
Input 3rd Order Intercept:	37 dB Maximum
Phase Change vs Attenuation:	$\pm 4^\circ$ Maximum
Attenuation Change vs Phase:	± 0.3 dB Maximum
Control Current:	200 mA Maximum
VSWR:	1.4:1 Maximum
Insertion Loss Flatness:	± 0.15 dB Maximum (over a 40 MHz BW)
Deviation From Linear Phase:	$\pm 1^\circ$ Maximum (over a 40 MHz BW)
Operating Temperature:	0–85°C



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



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