

VECTOR MODULATOR MODEL APVM-881

INDEPENDENT PHASE AND AMPLITUDE CONTROL

SPECIFICATIONS:

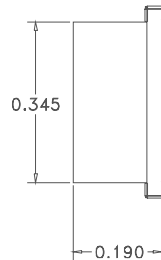
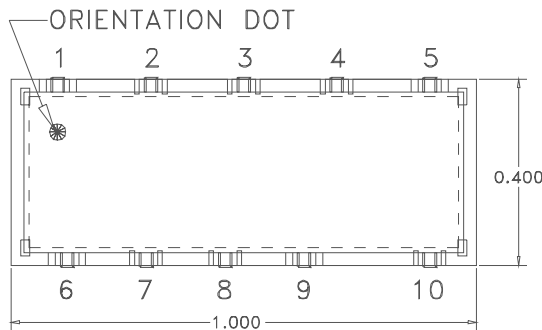
Frequency:	869 - 894 MHz
Attenuator Specifications:	
Attenuation Flatness (all settings):	0.2 dB (Max)
Adjustment Range:	6 dB to +10 dB
Control Voltage:	0 to +10 Vdc
Control Current:	5 mA (Max)
Attenuation vs. Voltage Slope:	1.5 dB/V (Max)
Input Power Level:	+10 dBm (Max)
Input 2-Tone IP3:	+30 dBm (Min)
Input/Output Return Loss:	15 dB (Min)

Phase Shifter Specifications:

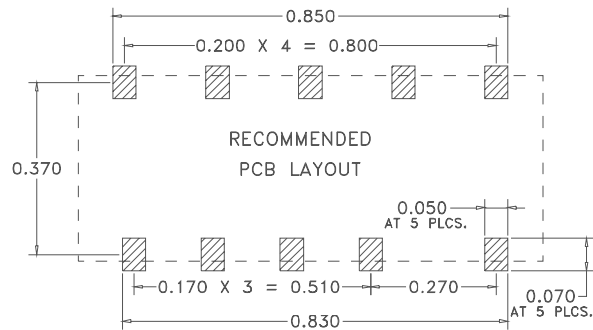
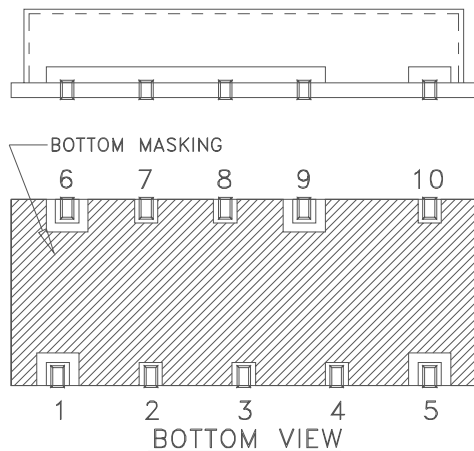
Phase Adjustment Range:	270° (Typ), 240° (Min)
Insertion Loss Variation vs. Phase:	0.5 dB p-p (Max)
Control Voltage:	0 to +10 Vdc
Control Current:	1 mA (Max)
Impedance:	50 Ohms (Nom)
Operating Temperature:	-40 to +85 °C
Storage Temperature:	-55 to +100 °C



MECHANICAL OUTLINE: 250



PIN-OUTS	
1	= RF Input
5	= RF Output
6	= Attenuator Control
9	= Phase Control
2,3,4,7,8,10	= GROUND

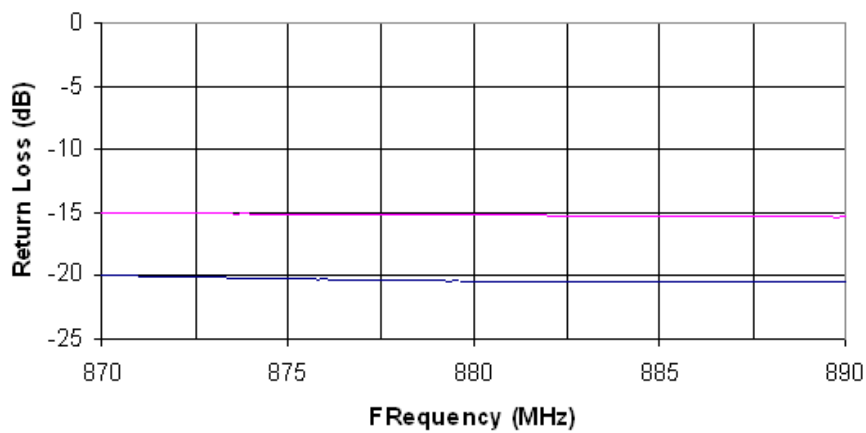
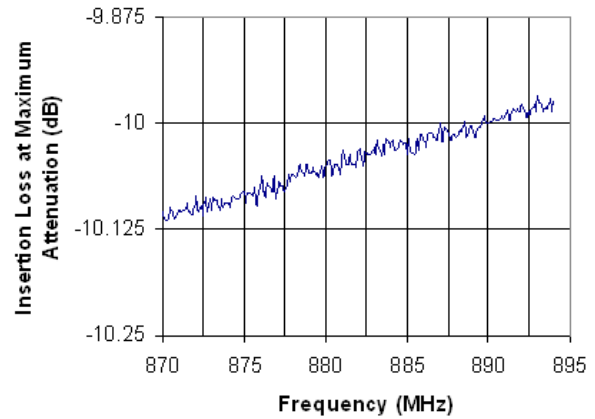
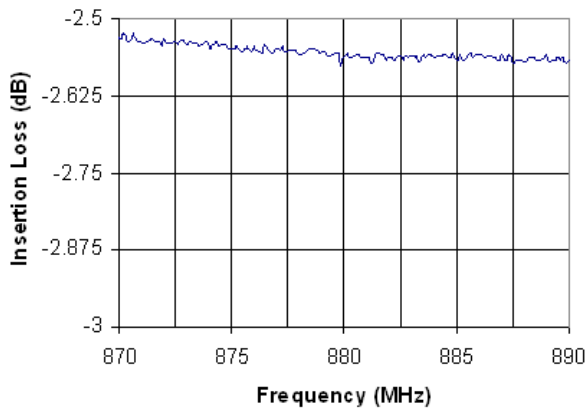
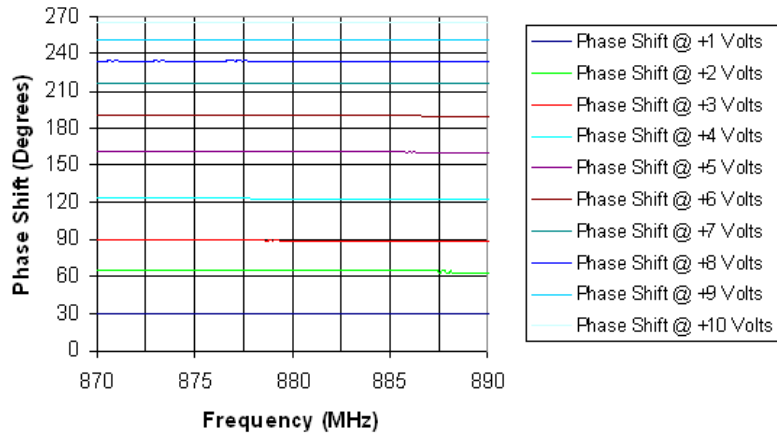


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PERFORMANCE PLOTS

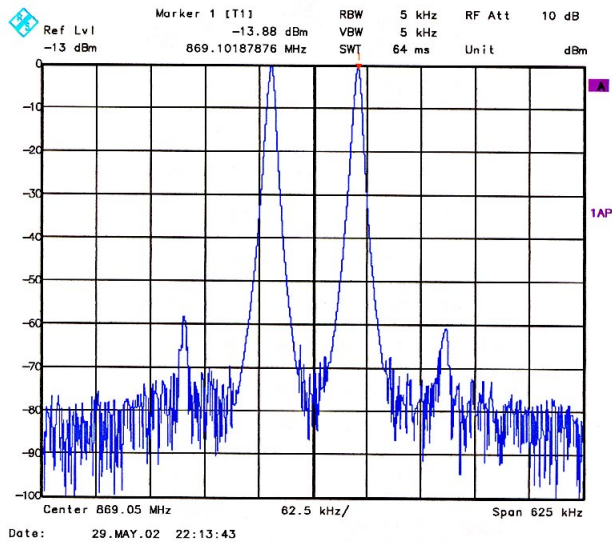


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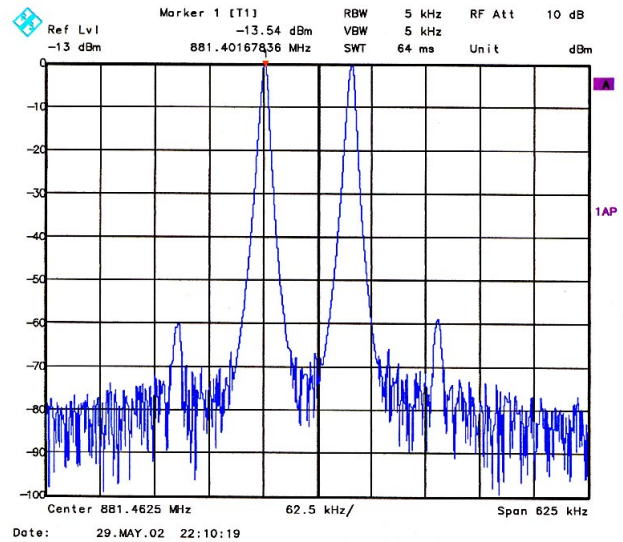
PERFORMANCE PLOTS

APVM-A01



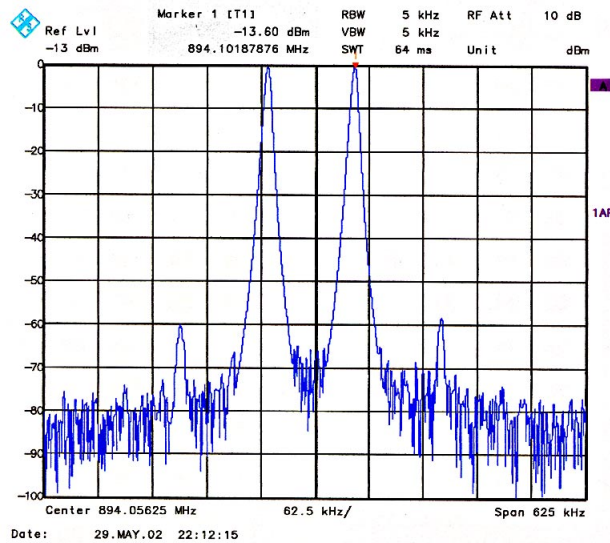
Input 2-Tone IP3 = 869 @0dbm
Input 2-Tone IP3 = 869.1 @0dbm

APVM-A01



Input 2-Tone IP3 = 881.5 @0dbm
Input 2-Tone IP3 = 881.4 @0dbm

APVM-A01



Input 2-Tone IP3 = 894.1 @0dbm
Input 2-Tone IP3 = 894 @0dbm

