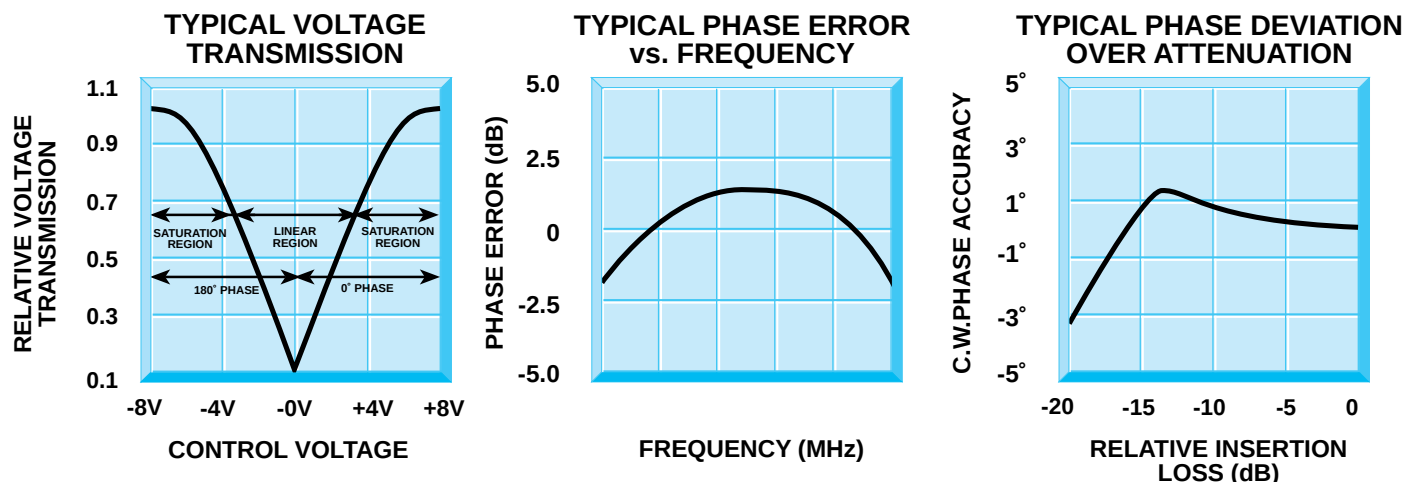


CPM Series

Complex Phasor Modulators



Guaranteed Specifications (0° to +70°C)

Saturated Region Insertion Loss	11.0 dB Max.
Linear Region Insertion Loss	12.0 dB Max.
Phase Unbalance	±5.0° Max.
Amplitude Unbalance	±1.0 dB Max.
Input VSWR	1.8 Max.
Output VSWR	1.8 Max.
Input 1 dB Compression Point	+15 dBm Typ. +12 dBm Min.
Third Order Intercept Point	+20 dBm Typ. +17 dBm Min.
Input Power (Non-Destruct)	+20 dBm Max.
Attenuation Range	40 dB Min.
DC Offsets	±75 dBm Min.
Control Port (DC Coupled)	
Frequency Range	5000 KHz
Control Current	5 mAdc Max.
Bias Voltage	±15 Vdc
Bias Current	25 mAdc Max.
Temperature Range(2)	-30° to +70°C

(2) Military temp. range -54°C to +85°C optional

Product Selection Guide

Part No.	Frequency Range (MHz)
P-CPM-15-4	10 to 20
P-CPM-30-4	20 to 40
P-CPM-45-4	30 to 60
P-CPM-60-4	40 to 80
P-CPM-70-4	55 to 90
P-CPM-100-4	70 to 140
P-CPM-120-4	80 to 160
P-CPM-150-4	100 to 200
P-CPM-200-4	140 to 280
P-CPM-240-4	160 to 320
P-CPM-300-4	225 to 400
P-CPM-400-4	300 to 500
P-CPM-450-4	375 to 525

Additional Mechanical outlines and Functional Schematic on next page

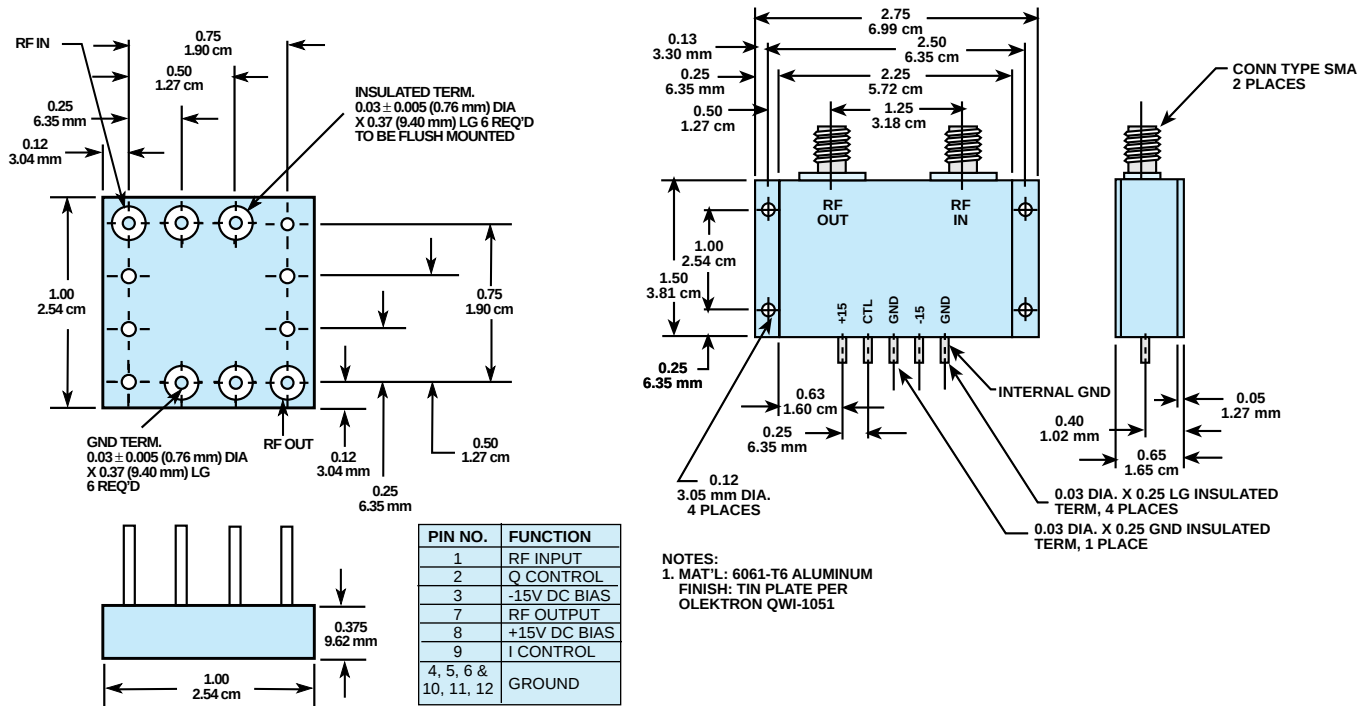
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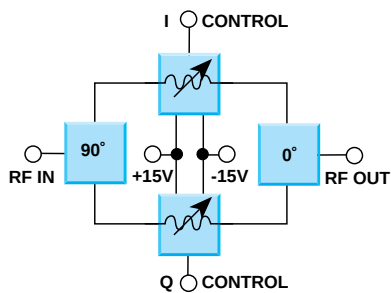
CPM Series

Complex Phasor Modulators

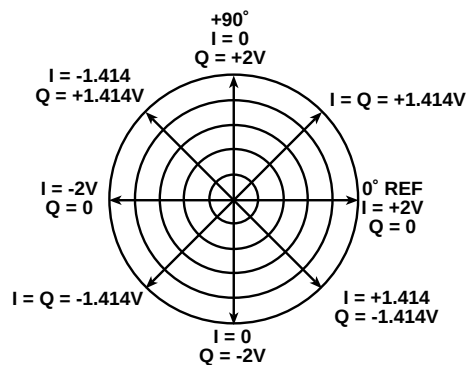
Mechanical Outline



Functional Schematic



Control Settings



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