

Aluminum Cased Connectorized Components

Phase Discriminators

With or Without Video Amplifier



Electrical Specifications

Model Number		Frequency GHz	Phase Accuracy Degrees Max	Tang. Sensitivity dBm	VSWR Max : 1
Without Video Amp	With Video Amp				
2 0775	2 A0775	0.5-2.0	±7	- 43	2.0
2 0755	2 A0755	1.0-2.0	±6	- 43	1.5
2 0756	2 A0756	2.0-4.0	±7	- 43	1.8
2 0780	2 A0780	2.0-6.0	±8	- 43	2.0
2 0757	2 A0757	4.0-8.0	±8	- 43	2.0
2 0790	2 A0790	6.0-18.0	±14	- 40	3.0
2 0758	2 A0758	8.0-12.4	±10	- 41	2.5
2 0759	2 A0759	12.0-18.0	±12	- 40	3.0

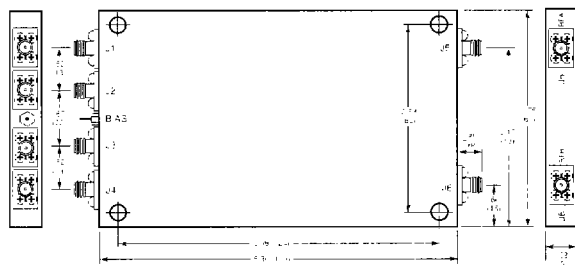
Dynamic Range: 30 dB
 Voltage/Power Sensitivity: 100 mV/mW typ
 (Models 2075X have a +450 mV DC voltage offset.)
 Bias: Models 2075X: +5V @ 3 mA. Models 2A075X: ±15V @ 125 mA max

Video Amp Specifications (Models 2A075X)

Video Bandwidth 1KHz to 10 MHz min
 Voltage Gain 200 nominal
 Output Noise 10 mV RMS max
 Rise Time 35 ns max
 Delay Time 50 ns max
 Saturated Output 4V p-p nominal (50 ohm load)
 Output Impedance 50 ohms nominal

Outline Drawings

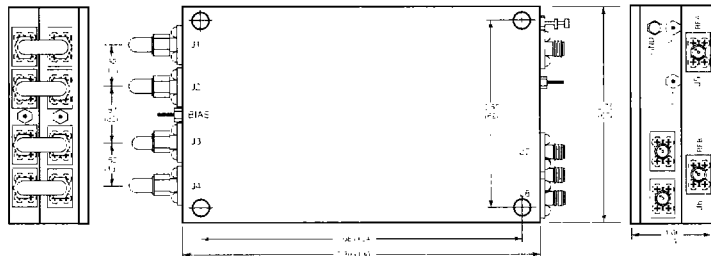
Model 2075X Series



Without Video Amplifier

Weight: 9.2 oz (261 gm)

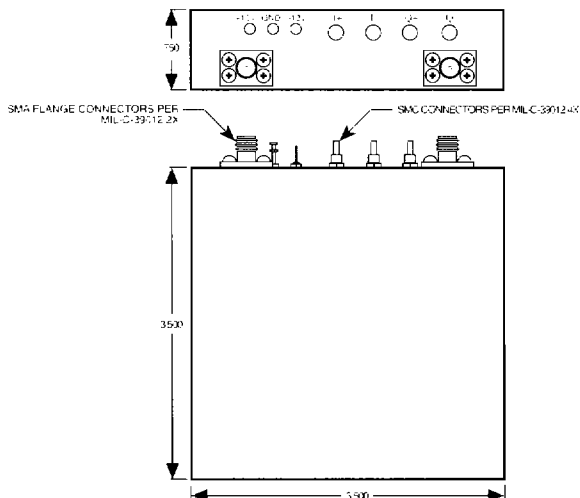
Model 2A075X Series



With Video Amplifier

Weight: 24.2 oz (688 gm)

Models 20775, 20780 and 20790



Aluminum Cased Connectorized Components