

## LIMITERS - CPL SERIES



**Centre frequencies in the range 10-160MHz**

**Limited IF output power +10 dBm Nominal**

**Positive supply models available**

**Constant Phase IF Limiter**

**5 Degree Typical Phase Shift**

**over the Dynamic Range**

**70 dB Dynamic Range**

**±1dB Output Level Variation**

**over -45 Centigrade to +85 Centigrade**

**Single Channel and Matched Channel Models**

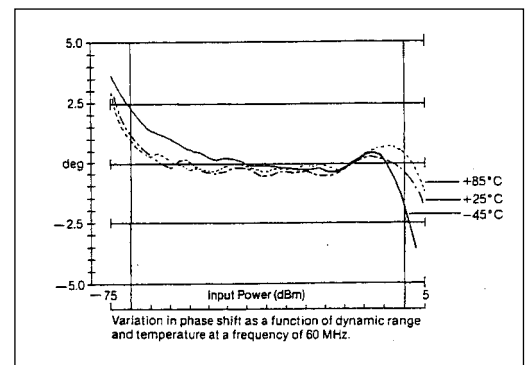
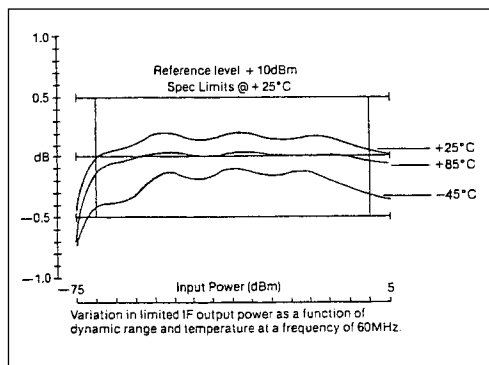
Pascall's range of constant phase IF Limiting amplifiers is designed for applications where phase deviation must be minimised over a wide dynamic range. All models are available as single units, as matched pairs or as triplets.

The CPL Series IF Limiting amplifiers incorporate multiple limiting stages, output filters, buffered output stages and a temperature compensation to minimise variations in phase deviations and limited IF output level.

**LIMITERS - CPL SERIES**

<b>Input Dynamic Range</b>	-70 to 0dBm (-65 to 0dBm for 160MHz models)
<b>Phase Shift over Dynamic Range</b>	5 deg max
<b>Output Power</b>	+10dBm nominal
<b>Variation over Dynamic Range @ +25°C over operating temp. range 2</b>	±0.5dB max ±1dB on mean value at +25°C
<b>Phase Tracking @ +25°C over -45°C to +85°C</b>	±2 deg for pairs, ±3 deg for triplets ±4 deg for pairs, ±6 deg for triplets
<b>Input/Output VSWR</b>	1.5:1 max
<b>Power Requirements</b>	-12V or -15V at 150mA max
<b>Operating Temperature Ranges</b>	Range 1 0 to +60°C Range 2 -45 to +85°C Range 3 -55 to +100°C Range 4 Customer specified
<b>Connectors</b>	SMA, SMB or SMC
<b>Weight</b>	80g (2.8 oz) max

Model No. CPL	Operating Freq. MHz	Minimum Bandwidth MHz
CPL-2105	21.4	5
CPL-3010	30	10
CPL-6020	60	20
CPL-7020	70	20
CPL-12020	120	20
CPL-16020	160	20
CPL-16040	160	40



**Ordering Information**

**CPL-XXXXX-XXX-XT**

