



MODEL
ICLX6020B

LOGARITHMIC AMPLIFIER
60 MHz

80 dB Dynamic Range
High Pulse Fidelity
Linearity ± 0.5 dB

Guaranteed Specifications*
(From -30°C to $+71^{\circ}\text{C}$ Case Temp)

Frequency	60 MHz
Bandwidth	20 MHz
Input Dynamic Range	(-80 to 0 dBm)
Log Output	
Linearity	
(@ room temp)	± 0.5 dB Max
(-30°C to $+71^{\circ}\text{C}$)	± 1.0 dB Max
Slope (@ room temp)	25 mV/dB Nom
Slope Variation vs. Temperature	
(-30°C to $+71^{\circ}\text{C}$)	5% Max
Voltage Range (Direct Coupled)	0 to 2V Nom
Rise Time (10-90%)	50 nsec Max
Limited IF Output	0 dBm Nom
Bias Power**	$+12$ VDC @ 60 mA Typ -12 VDC @ 100 mA Typ

Operating Characteristics

IF Impedance	50 Ohms Nominal
Video Load Impedance	93 Ohms Nominal
Package Type	Connectorized (C-24)
	(See page 484 for physical dimensions.)

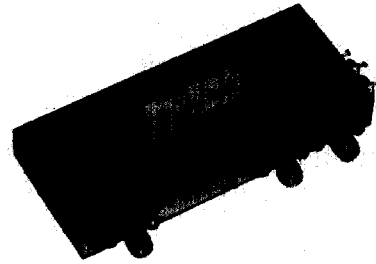
Environmental

These units are designed to meet the environmental and screening requirements of Table 1C, page 498 of the Adams-Russell catalog.

*All specifications apply when operated at ± 12 VDC and with a 50 ohm IF source and load impedance and 93 ohm video load impedance.

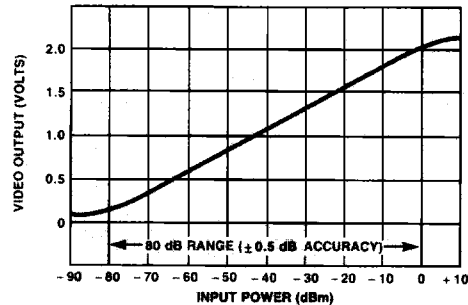
** ± 15 VDC option available. Consult factory.

For additional RHG products see the latest RHG Electronics Laboratory, Inc. catalog.

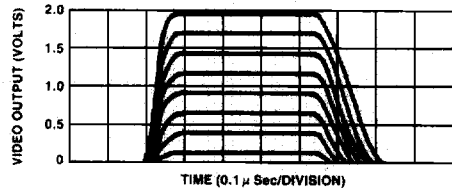


Typical Performance

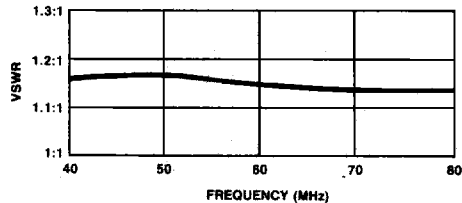
INPUT-OUTPUT CHARACTERISTIC



TRANSIENT RESPONSE



INPUT VSWR



Ordering Information

Model No.	Connector	Unit Price (1-9 Units)
ICLX6020B	SMA	\$1270

Delivery is from stock.



Make the Connection...



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COMPONENTS GROUP

For Technical Information, Call (516) 242-1100

For Ordering Information, Call (617) 273-3333