

# LEYSOP LTD

Manufacturers and suppliers of electro-optic components

## 250 Series Video Amplifier

This is a linear Class A output video amplifier with a maximum differential output of >250V over the range d.c. to >6MHz. The two outputs can also be set to  $\pm 250\text{Vdc}$  relative to each other using a bias control.

This facility allows an electro-optic amplitude modulator to be set to any desired light output intensity level for any input signal level. This output bias does not introduce any limit to the signal output range.

The amplifier has been designed to drive electro-optic modulators from the EM200 range where the load is purely capacitive and does not exceed 100pf. The output is short circuit proof.

$\pm 125\text{V}$  peak to peak differential output voltage equivalent to 250V single ended amplifier

Especially suitable for low voltage transverse field modulators

Full power  $-3\text{dB}$  bandwidth of >6MHz

Fully independent DC bias voltage supply



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## Product Specifications

Signal output voltage range	250Vdc – 6MHz bandwidth
Amplifier Square Wave Rise and Fall Time using 100pf load	<70ns (10 – 90%)
Bias Voltage Range	+250V to -250V
Input Voltage for Full Output	±1V(dc) or 2Vpp (ac)
Input Impedance	50W nominal
Cabinet Size (mm)	Height 220, Width 530, Length 340
Mains Voltage	110/ 200/ 240ac 50-60Hz
Temperature Range	0°- 40°C ambient

Specifications for guidance only, subject to modification without notice.