

DATA FOR E.I.A. REGISTRATION

MULLARD LIMITED,
Mullard House,
Torrington Place,
LONDON, W.C.1.,
England.

JEDEC TYPE NO. 7632

PHOTOCONDUCTIVE CELL TYPE ORP10

The ORP10 is an indium antimonide photoconductive cell, being sensitive to infra-red radiation at wavelengths up to 7.5 microns at normal room temperature.

PHYSICAL SPECIFICATIONS

Maximum overall length, excluding leads	15/32" (12mm)
Maximum overall width	43/64" (17mm)
Maximum height	1/16" (1.5mm)
Minimum lead length	1 ⁷ /16" (37mm)
Sensitive area	1/4" x 1/64" (6mm x 0.5mm)

ABSOLUTE MAXIMUM RATINGS

Maximum direct current	100 mAmps
Maximum case temperature	70 °C

CHARACTERISTICS

Peak spectral response	6.0 to 6.5 microns
Spectral response range	Visible to 8.0 microns
Signal to noise ratio at 6 microns	>72
Noise equivalent power at 6 microns in 10/s bandwidth	<4 x 10 ⁻⁹ Watts
Cell resistance	75 Ohms
Time constant	<1.0 µsec.

