

PLT100 PHOTOTRANSISTOR SERIES 5MM

Features

- * High Illumination Sensitivity
- * Stable Characteristics
- * Spectrally and Mech. Matched with IR Emitter
- * NPN Silicon Phototransistor

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Operating Temperature Range - 20°C to + 80°C

Storage Temperature Range - 20°C to + 80°C

Soldering Temperature (1.6 mm below body) 260° for 5 seconds

Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Lens Color Part Number		Collector- Emitter Breakdown Voltage (V) Min	Emitter- Collector Breakdown Voltage (V) Min	Collector- Emitter Saturation Voltage (V) Max	Collector Dark Current (nA) Max	Photo Current (mA) Typ	λ_P (nm) Typ
Water Clear	Blue Transparent	IC=100 μA	IE=100 μA	IC=2mA	VCE=10V	VCE=5V	
PLT100-WCPT	PLT100-BTPT	30	5.0	0.5	100	15	900

All dimensions are in Millimeters. Tolerance is ± 0.25 mm (leads ± 0.1 mm) unless otherwise specified.

