



NTE3084 Optoisolater NPN Photo Darlington Output

Features:

- High Isolation Voltage—7500V

Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Minimum Current Transfer Ratio ($I_F = 10\text{mA}$, $V_{CE} = 5\text{V}$), CTR	100%
Minimum Isolation Voltage (Input-to-Output, Note 1) V_{ISO}	7500V (Peak)
Maximum Saturation Voltage ($I_F = 50\text{mA}$, $I_C = 50\text{mA}$), $V_{CE(sat)}$	1.0V
Maximum Collector Dark Current ($I_F = 0$, $V_{CE} = 10\text{V}$), I_{CEO}	100nA
Minimum Collector-Emitter Breakdown Voltage ($I_F = 0$, $I_C = 0.1\text{mA}$), $V_{(BR)CEO}$	55V
Maximum LED Forward Voltage ($I_F = 20\text{mA}$), V_F	1.5V

Note 1. Isolation Surge Voltage (V_{ISO}), is an internal device dielectric breakdown rating. For this test LED Pin1 and Pin2 are common and phototransistor Pin4, Pin5, and Pin6 are common.

