ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

NTE3084
Optoisolater
NPN Photo Darlington Output

Features:
- High Isolation Voltage–7500V

Electrical Characteristics: (T_A = +25°C unless otherwise specified)

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