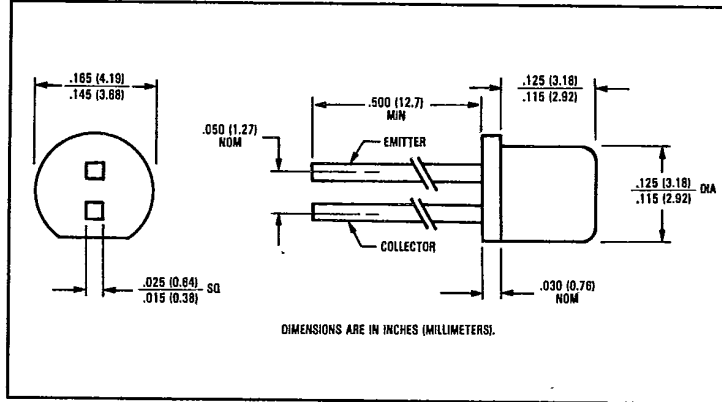
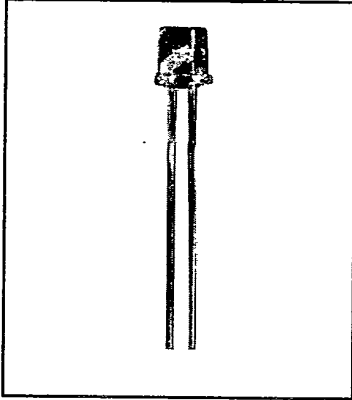


NPN Silicon Phototransistor Type OP500W



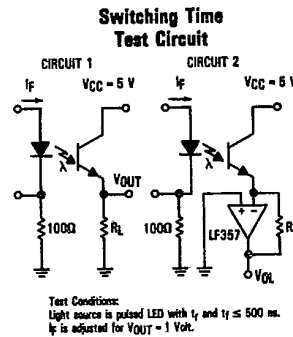
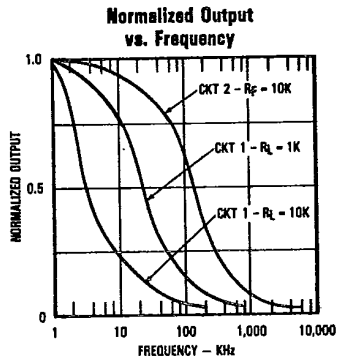
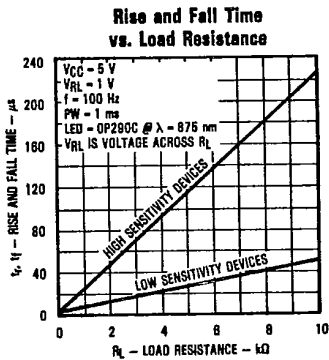
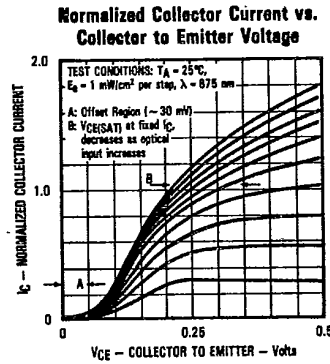
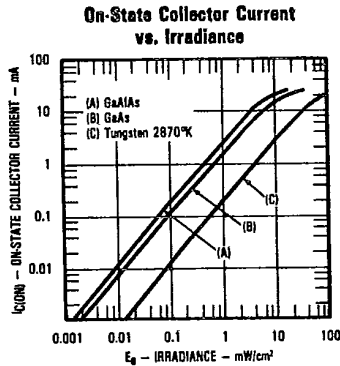
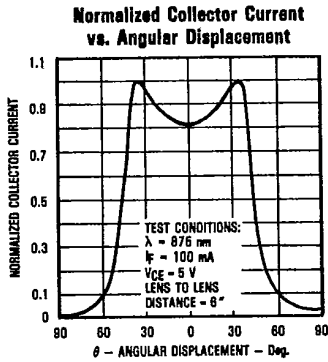
T-41-61

Type OP500W

Electrical Characteristics (T_A = 25°C unless otherwise noted)

| Symbol | Parameter | Min. | Typ. | Max. | Units | Test Conditions |
|-------------------------------------|--|------|------|------|-------|--|
| I _{C(ON)} ⁽¹⁾ | On-State Collector Current | 0.50 | | | mA | V _{CE} = 6.0 V, E ₀ = 20 mW/cm ²⁽¹⁾ |
| ΔI/ΔT | Relative I _C Changes with Temperature | | 1.00 | | %/°C | V _{CE} = 6.0 V, E ₀ = 1.00 mW/cm ² , λ = 875 nm |
| I _{CE0} ⁽¹⁾ | Collector Dark Current | | | 100 | nA | V _{CE} = 15.0 V, E ₀ = 0 |
| V _{BR(CEO)} | Collector-Emitter Breakdown Voltage | 30 | | | V | I _C = 100 μA |
| V _{BR(ECO)} | Emitter-Collector Breakdown Voltage | 5.0 | | | V | I _E = 100 μA |
| V _{CE(SAT)} ⁽²⁾ | Collector-Emitter Saturation Voltage | | 0.40 | | V | I _C = 250 μA, E ₀ = 20 mW/cm ²⁽¹⁾ |

Typical Performance Curves



TRW reserves the right to make changes at any time in order to improve design and to supply the best product possible.

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