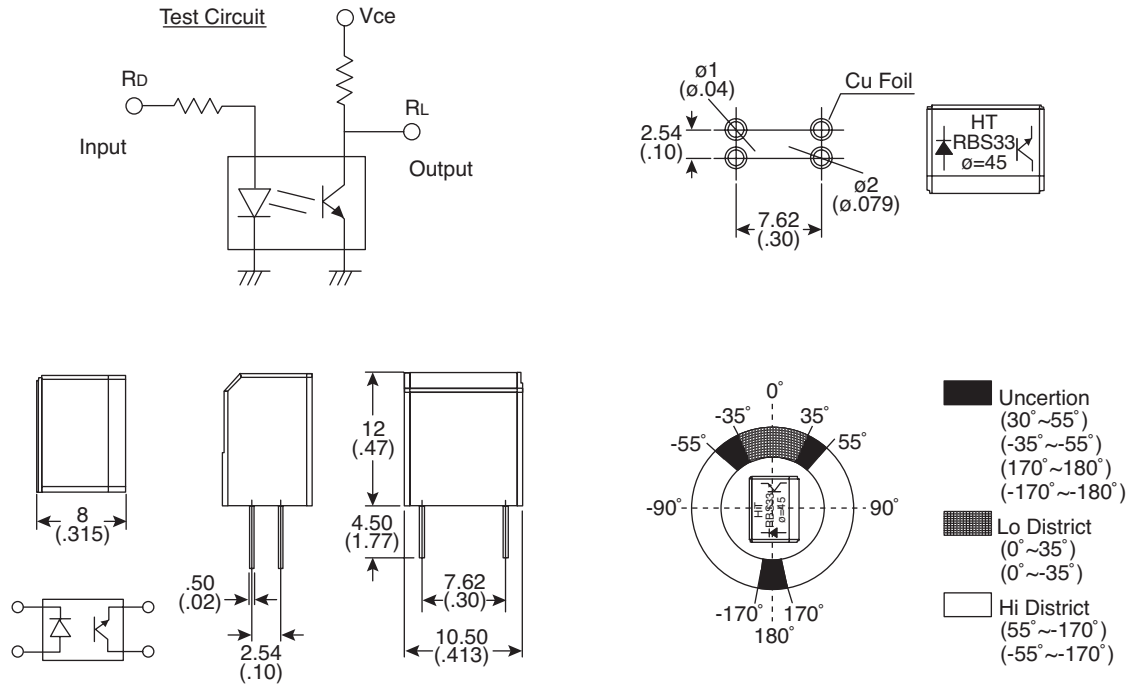


Date Last Revised: 6-7-07

Tilt Switch

RBS311100



Dimensions: mm (in.)

Note: RoHS Compliant by Exemption

Specifications:

Electrical:

- Forward Voltage-
Symbol: Vf; Typ.: 1.2; Max.: 1.5; Unit: V;
Conditions: If=20mA
- Reverse Current-
Symbol: Ir; Max.: 10; Unit: μ A; Conditions: Vr=5V
- Dark Current-
Symbol: Iceo; Max.: 2; Unit: μ A; Conditions: Vce=10V
- Output Current-
Symbol: Ic; Min.: 0.5; Typ.: 5.0; Unit: mA; Conditions: Vce=5V
- Rise Time-
Symbol: Tr; Typ.: 5.0; Unit: μ s;
Conditions: Ic=0.8mA, Vcc=30V
- Fall Time-
Symbol: Tf; Typ.: 5.0; Unit: μ s; Conditions: RL=1K Ω
- Tilt Angle: 45° \pm 10°

Mechanical:

- Operating Temperature Range: -25°C to +85°C
- Storage Temperature Range: -40°C to +85°C
- Pull Force of Terminal: 500 gf for 1 minute
- Operation Life: 100,000 Hours

Soldering Process:

- After flux 260 \pm 5°C for 5 \pm 0.5 seconds 95% coverage

Materials:

- Housing: Class-Fiber Polyamide, UL 94-0
- Base: Class-Fiber Polyamide, UL 94-0
- Ball: Stainless Steel
- Inside Part: Copper Alloy, Nickel Plated