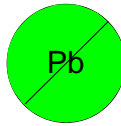


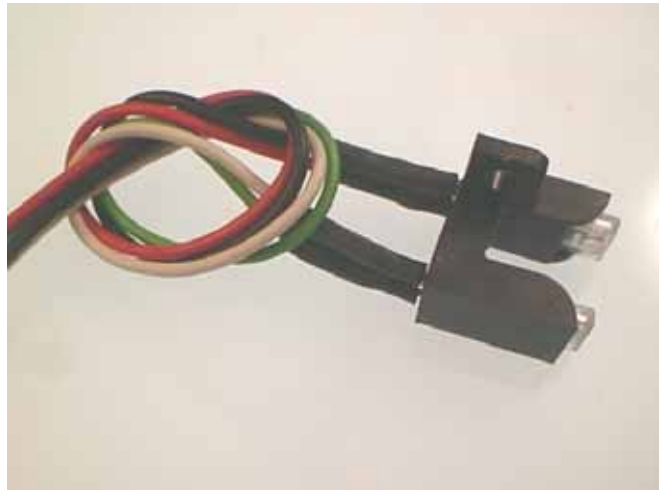
These components are RoHS compliant



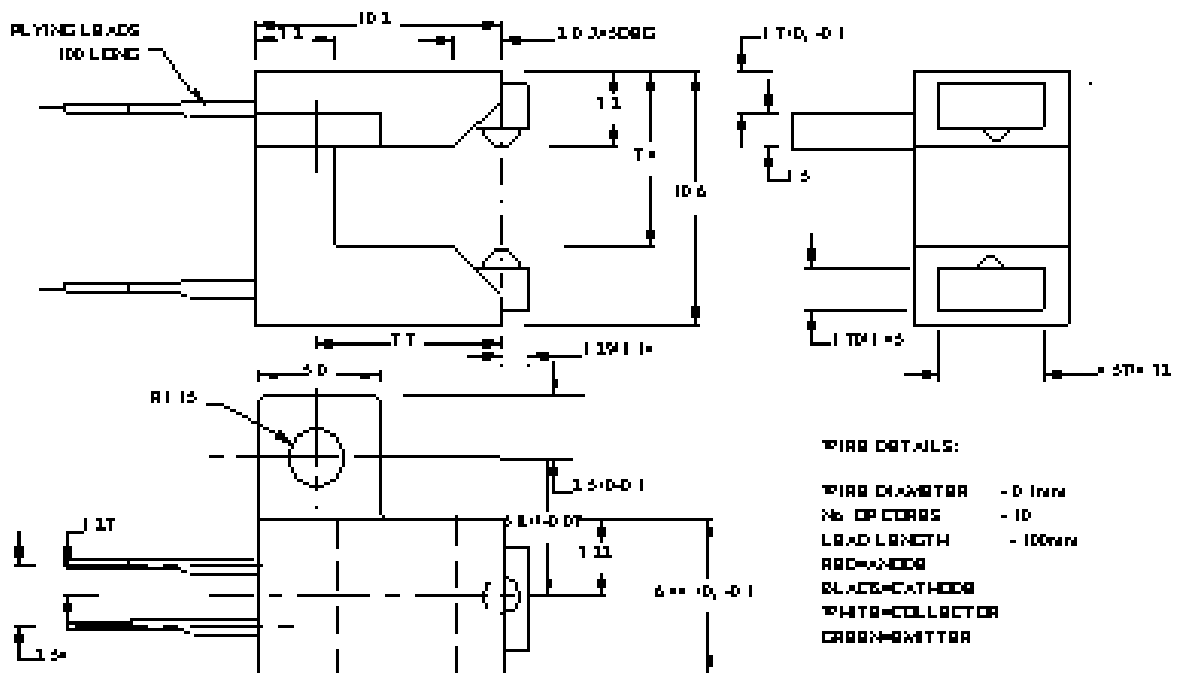
SSS-002 Slotted Optical Switch With Flying Leads.

SSS-002 is a compact optical switch with a 4mm slot width and flying leads. It uses a plastic packaged Gallium Arsenide light emitter and silicon phototransistor.

- Low cost plastic emitter and sensor.
- TTL compatible sensor output.
- Standard 10 cm leads.
- 4mm slot width.
- Custom specification or leads available to order.



MECHANICAL DATA



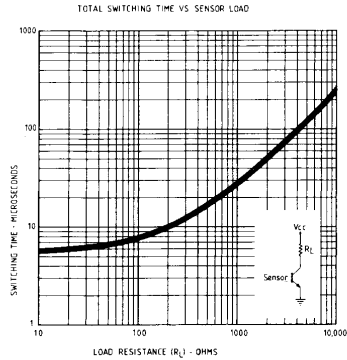
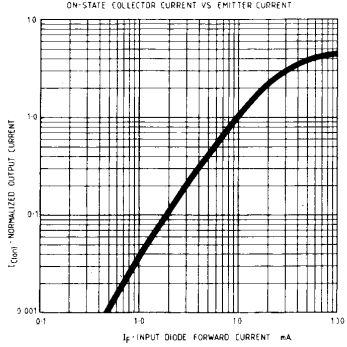
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ML12 6FX

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Website: bot.co.uk E-mail: bill@bot.co.uk

ELECTRICAL CHARACTERISTICS at 25 °C

SYMBOL	PARAMETER	MIN	TYP	MAX	TEST CONDITION
INPUT DIODE Vf Ir	Forward Voltage Reverse Leakage Current			1.6V 10µA	If = 20 mA Vr = 3V
DETECTOR BVCEO BVECO ICEO	Collector-emitter breakdown Emitter-Collector breakdown Collector-Emitter dark current	30V 5V			Ic = 100µA Ic = 100µA
COUPLED Ic (ON)	On-State Collector Current	2mA	5.0mA		Vce = 5V, If = 20 mA



ABSOLUTE MAXIMUM RATINGS (25 °C unless otherwise noted)

INPUT DIODE FORWARD DC CURRENT REVERSE DC VOLTAGE POWER DISSIPATION	60mA 3V
OUTPUT SENSOR COLLECTOR-EMITTER VOLTAGE EMITTER-COLLECTOR VOLTAGE COLLECTOR CURRENT	30V 5V
OPERATING TEMP	-40°C to +100°C
STORAGE TEMP	-40°C to +100°C
LEAD SOLDERING TEMP (t = 5 sec 1.57mm from body)	260 °C

These components are RoHS compliant

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