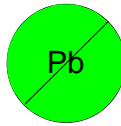


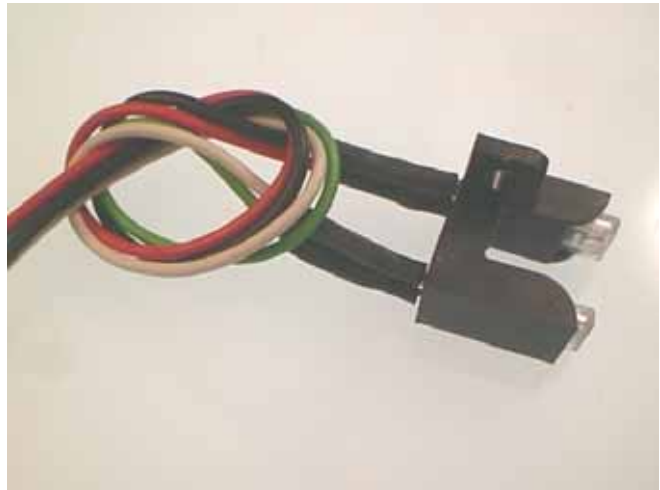
These components are RoHS compliant



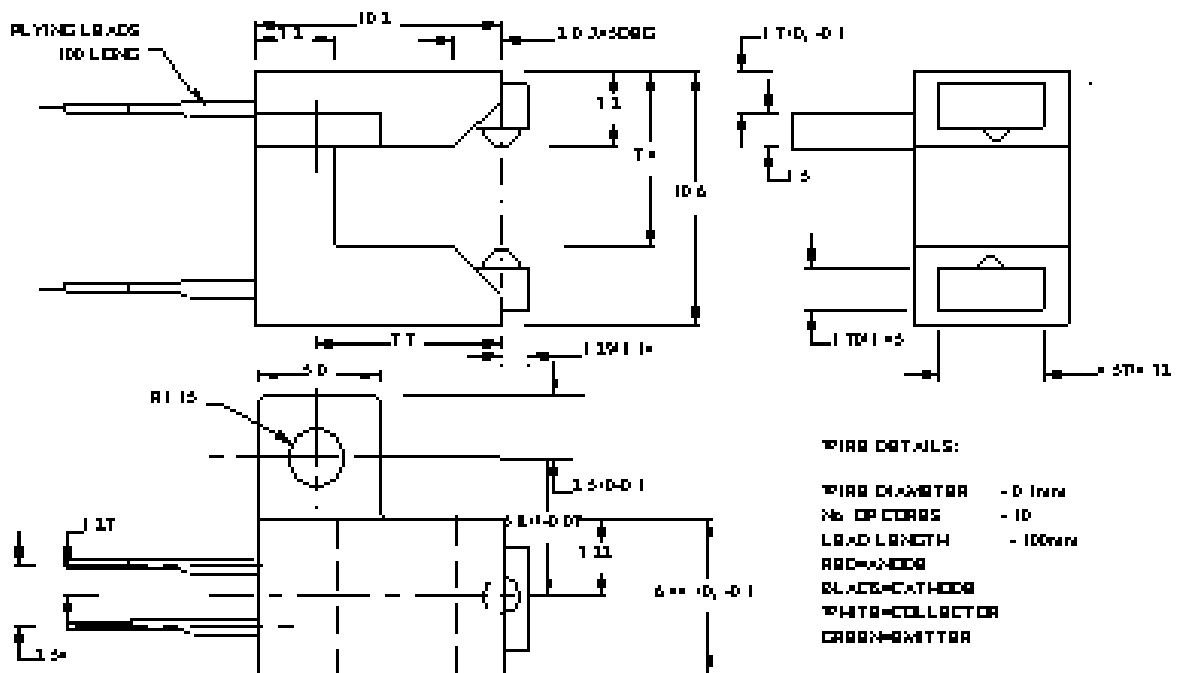
# SSS-002 Slotted Optical Switch With Flying Leads.

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



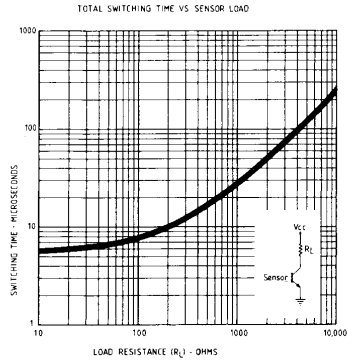
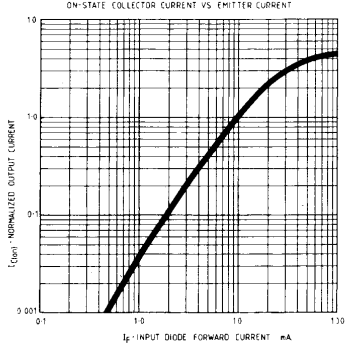
**BEDFORD OPTO TECHNOLOGY LTD**  
**1 BIGGAR BUSINESS PARK, BIGGAR, LANARKSHIRE,**  
**ML12 6FX**

Tel: +44 (0) 1899 221221 Fax: +44 (0) 1899 221009

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

**ELECTRICAL CHARACTERISTICS** at 25 °C

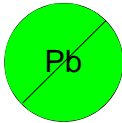
SYMBOL	PARAMETER	MIN	TYP	MAX	TEST CONDITION
<b>INPUT DIODE</b> Vf Ir	Forward Voltage Reverse Leakage Current			1.6V 10µA	If = 20 mA Vr = 3V
<b>DETECTOR</b> BVCEO	Collector-emitter breakdown	30V			Ic = 100µA
BVECO	Emitter-Collector breakdown	5V			Ic = 100µA
ICEO	Collector-Emitter dark current				
<b>COUPLED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



**ABSOLUTE MAXIMUM RATINGS** (25 °C unless otherwise noted)

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

These components are RoHS compliant



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