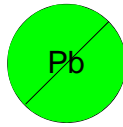


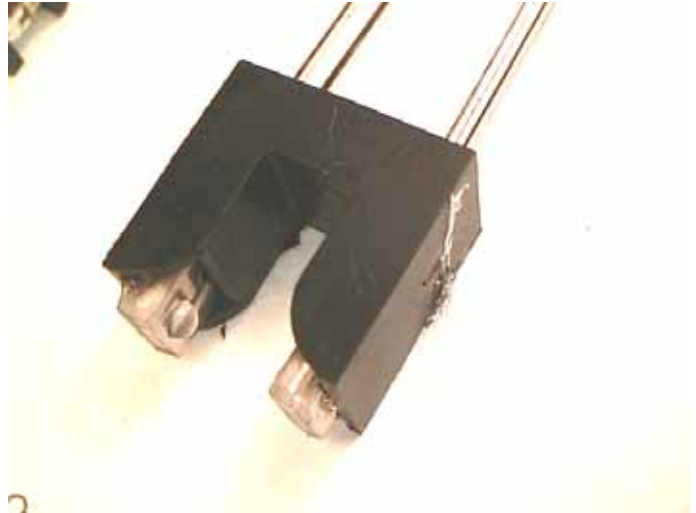
These components are RoHS compliant



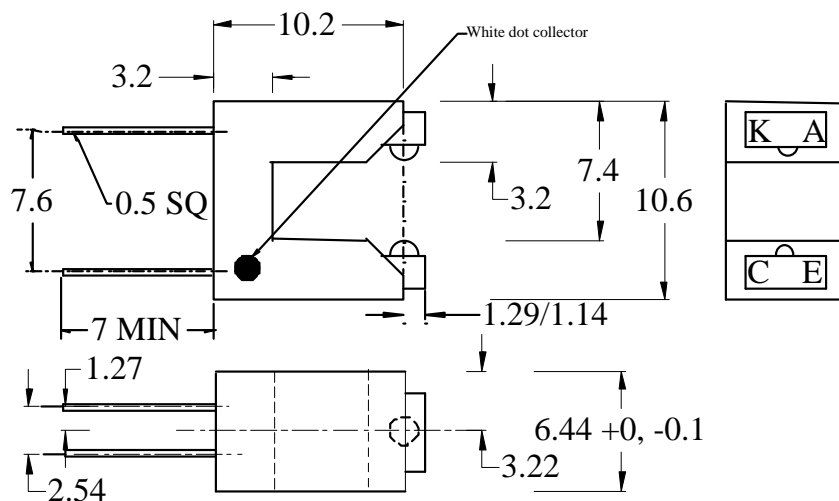
HOA0825-01 TRANSMISSIVE OPTO SWITCH

The HOA0825 consists of a GaAs LED and silicon Photo Transistor mounted in Black VO rated plastic housing with a 4mm gap. The SSS-002 offers the same specification with an additional right angle mounting lug and flying leads.

- Low cost.
- Special Selections Available.
- Flying lead addition available.



MECHANICAL DATA



BEDFORD OPTO TECHNOLOGY LTD
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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)

These
components
are RoHS
compliant



SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITION
INPUT DIODE						
V_f	Forward Voltage			1.5	V	I _f = 50 mA
I_r	Reverse Leakage Current			10	μA	V _r = 3V
DETECTOR						
BV_{CEO}	Collector-emitter breakdown	30			V	I _c = 100μA
BV_{Eco}	Emitter-Collector breakdown	5			V	I _c = 100μA
I_{CEO}	Collector-Emitter dark current			100	nA	
CTR	Current transfer ratio	2.5			%	V _{ce} = 0.5V, I _f = 20 mA

ABSOLUTE MAXIMUM RATINGS (25°C unless otherwise noted)

INPUT DIODE	
FORWARD DC CURRENT	60mA
REVERSE DC VOLTAGE	3V
POWER DISSIPATION	
OUTPUT SENSOR	
COLLECTOR-EMITTER VOLTAGE	30V
EMITTER-COLLECTOR VOLTAGE	5V
COLLECTOR CURRENT	50mA
POWER DISSIPATION	
OPERATING TEMP	-40°C TO +100°C
STORAGE TEMP	-40°C TO +100°C
LEAD SOLDERING TEMP (t = 5sec, 1.57mm from body)	240°C

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