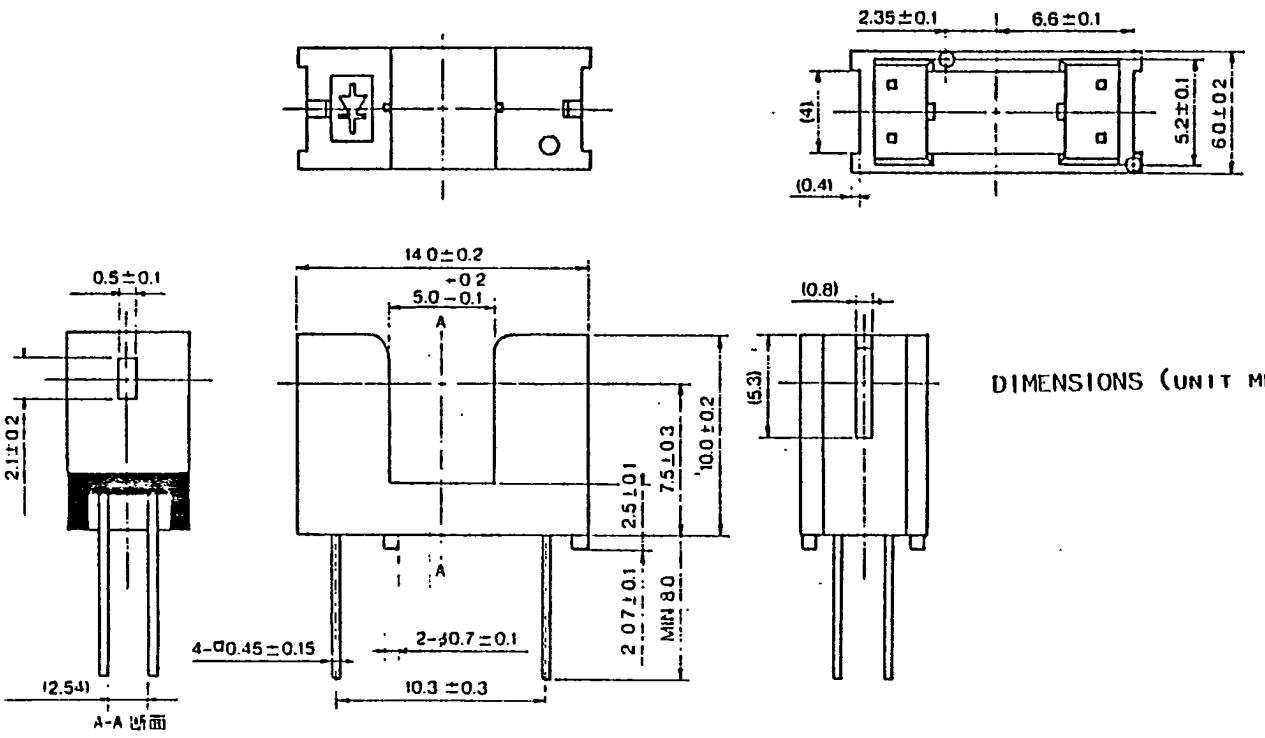
TECHNICAL DATA SHEET

CSG-206 T-41-73

PHOTOINTERRUPTOR

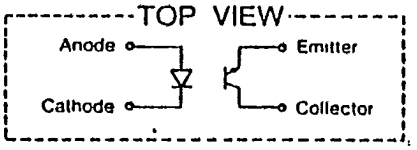
THE CSG-206 PHOTOINTERRUPTOR COMBINES A HIGH-OUTPUT GaAs INFRARED LED WITH A HIGH SENSITIVITY PHOTOTRANSISTOR.



DIMENSIONS (UNIT MM)

MAXIMUM RATINGS (TA=25°C)

ITEM		SYMBOL	RATING	UNIT
INPUT	POWER DISSIPATION	PD	100	mW
	REVERSE VOLTAGE	VR	5	V
	FORWARD CURRENT	IF	60	mA
	PULSE FORWARD CURRENT	IFP	1	A
OUTPUT	COLLECTOR POWER DISSIPATION	PC	100	mW
	COLLECTOR CURRENT	IC	40	mA
	C-E VOLTAGE	VCEO	30	V
	E-C VOLTAGE	VECO	5	V
OPERATING TEMPERATURE		TOPR.	-20~+85	°C
STORAGE TEMPERATURE		TSTG.	-30~+85	°C
SOLDERING TEMPERATURE		TSOL.	240	°C



ELECTRO-OPTICAL CHARACTERISTICS (TA=25°C)

ITEM		SYMBOL	CONDITIONS	MIN.	TYPE.	MAX.	UNIT
INPUT	FORWARD VOLTAGE	VF	IF=30mA		1.2	1.5	V
	REVERSE CURRENT	IR	VR=5V			10	μA
	CAPACITANCE	CT	V=0V, F=1kHz		25		pF
	PEAK WAVELENGTH	λP			940		NM
OUTPUT	COLLECTOR DARK CURRENT	ICEO	VCE=10V			0.1	μA
LIGHT CURRENT		IL	VCE=5V, IF=20mA	0.5			mA
C-E SATURATION VOLTAGE		VCE(SAT)	IF=30mA, IC=0.1mA			0.4	V
RISE TIME		TR	VCC=5V, IC=2mA, RL=100Ω		5		μSEC
FALL TIME		TF			5		μSEC

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