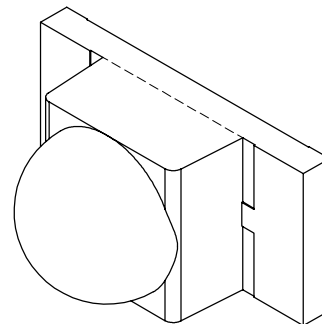
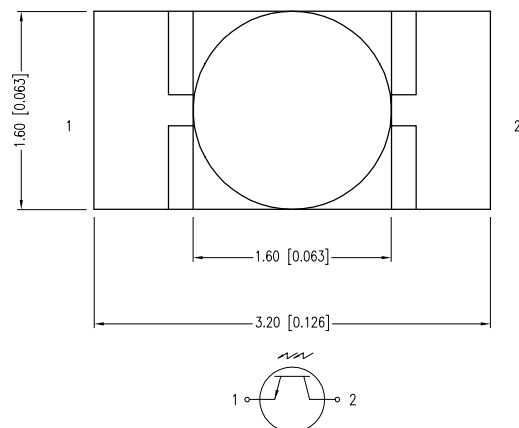
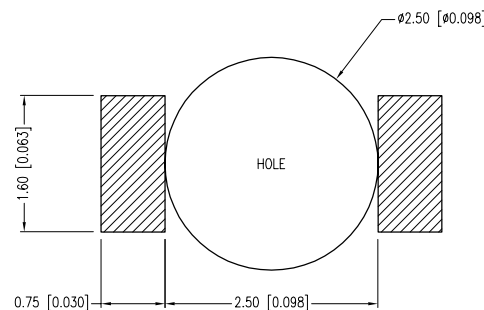


RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS TA =25°C

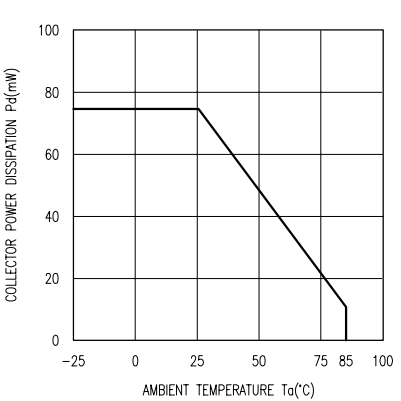
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND.
COLLECTOR-EMITTER BREAKDOWN VOLTAGE	30			V	I _c =500μA E _e =0mW/cm ²
EMITTER-COLLECTOR BREAKDOWN VOLTAGE	5			V	I _e =50μA E _e =0mW/cm ²
COLLECTOR-EMITTER SATURATION VOLTAGE			0.4	V	I _c =5mA E _e =1mW/cm ²
RISE TIME		20		μS	V _{CE} =5V I _c =1mA R _L =1000Ω
FALL TIME		20		μS	
COLLECTOR DARK CURRENT			50	nA	V _{CE} =20V E _e =0mW/cm ²
ON STATE COLLECTOR CURRENT @ V _{CE} =5V		1.0		mA	E _e =mW/cm ² λ _p =940nm
WAVELENGTH OF PEAK SENSITIVITY		880		nm	
RANGE OF SPECTRAL BANDWIDTH	730		1100	nm	
EPOXY LENS FINISH	BLACK				

LIMITS OF SAFE OPERATION AT 25°C

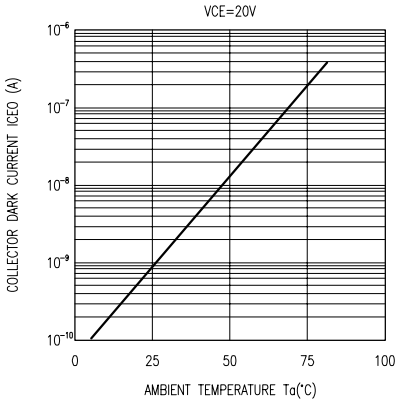
PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE	30	V
EMITTER-COLLECTOR VOLTAGE	5	V
COLLECTOR CURRENT	20	mA
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-40 TO +100	°C

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION}_{-0.00} MAX.= ^{+0.00}_{-DECIMAL PRECISION}

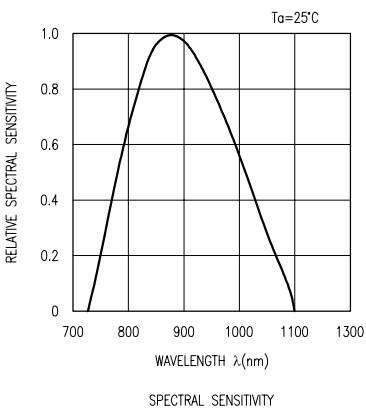
UNCONTROLLED DOCUMENT



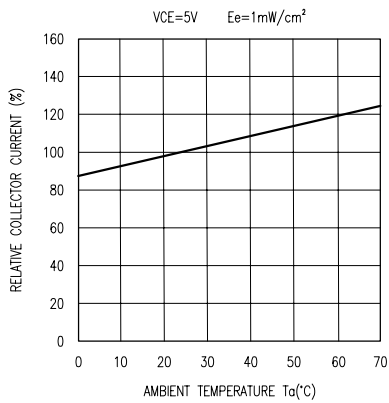
COLLECTOR POWER DISSIPATION vs. AMBIENT TEMPERATURE



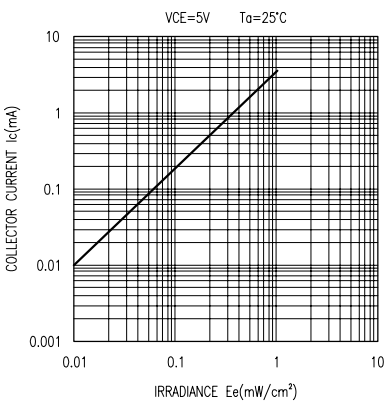
COLLECTOR DARK CURRENT vs. AMBIENT TEMPERATURE



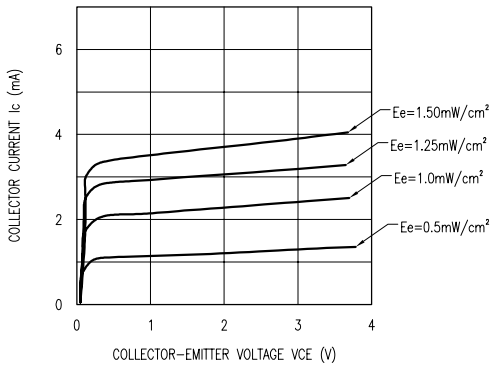
SPECTRAL SENSITIVITY

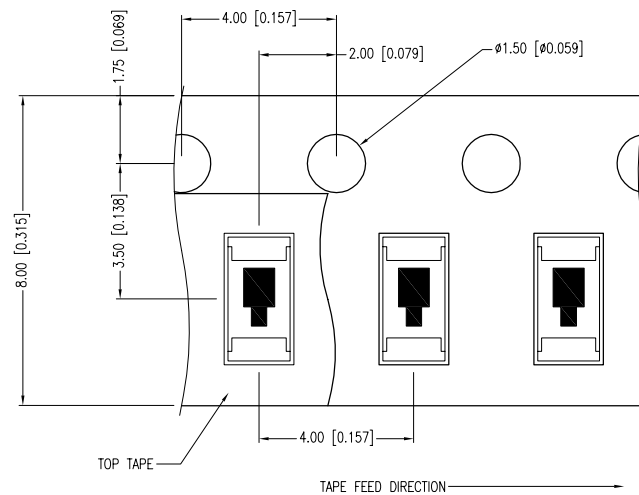
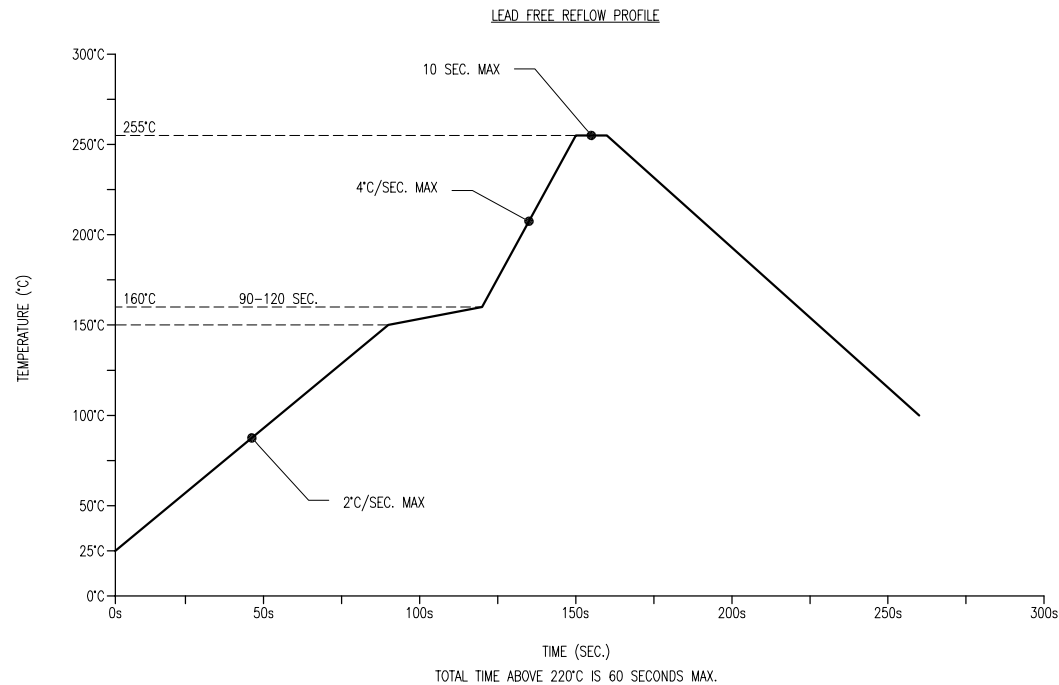


RELATIVE COLLECTOR CURRENT vs. AMBIENT TEMPERATURE



COLLECTOR CURRENT vs. IRRADIANCE





*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= ^{+DECIMAL PRECISION}_{-0.00} MAX.= ^{+0.00}_{-DECIMAL PRECISION}

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PHOTO TRANSISTOR, 880nm PEAK SENSE, BLACK LENS, TAPE & REEL.

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