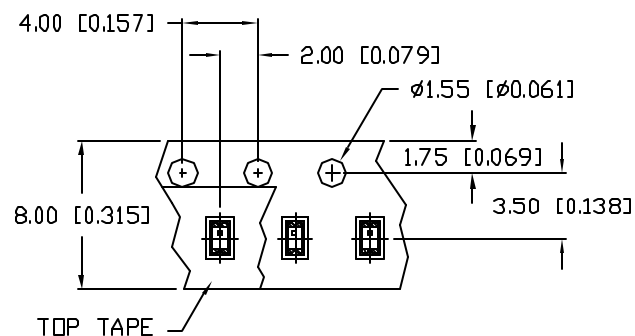
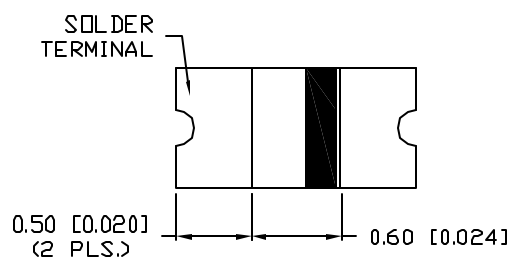
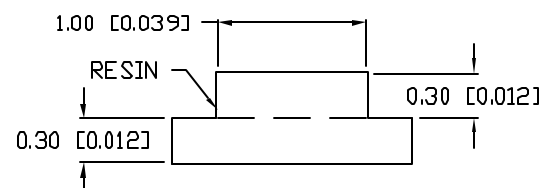
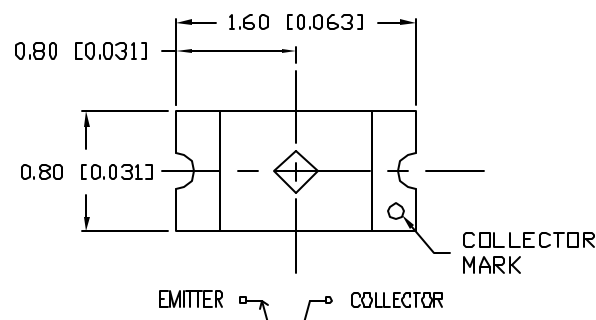
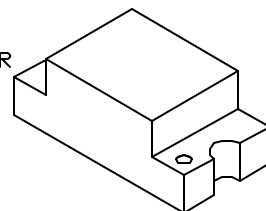
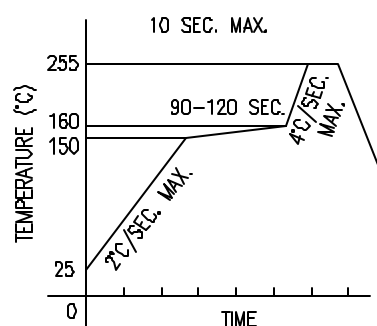




TAPE FEED DIRECTION →

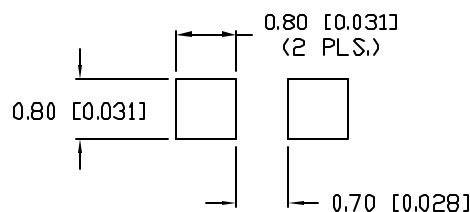


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
COLLECTOR DARK CURRENT			100	nA	$V_{ce} = 10\text{V}$ $E_e = 0 \text{ mW/cm}^2$
COLLECTOR LIGHT CURRENT	0.25			mA	$V_{ce} = 5\text{V}$ $E_e = 1 \text{ mW/cm}^2$
COLLECTOR-EMITTER SATURATION VOLTAGE			0.3	V	$I_c = 2\text{mA}$ $E_e = 20 \text{ mW/cm}^2$
SWITCHING SPEEDS:					$V_{ce} = 5\text{V}$ $I_c = 1 \text{ mA}$ $R_I = 100 \Omega$
RISING TIME		15		µS	
FALLING TIME		15		µS	
PEAK WAVELENGTH SENSITIVITY		800		nm	
SPECTRAL HALF WIDTH:		400-1200		nm	
LENS COLOR:					WATER CLEAR

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE (V_{ce})	35	V
EMITTER-COLLECTOR VOLTAGE (V_{ce})	5.5	V
COLLECTOR CURRENT	20	mA
POWER DISSIPATION	100	mW
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

NOTES:

1. THE COLLECTOR IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION MAX=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

OED-ST0603C120-TR

1.6mm x 0.8mm PCB CHIP, SURFACE MOUNT
PHOTOTRANSISTOR, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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PAGE: 1 OF 1

SCALE: N/A