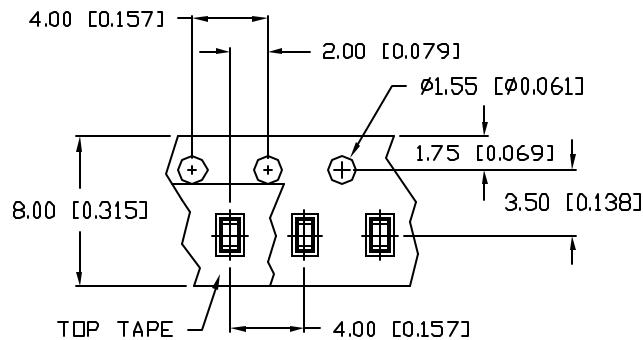
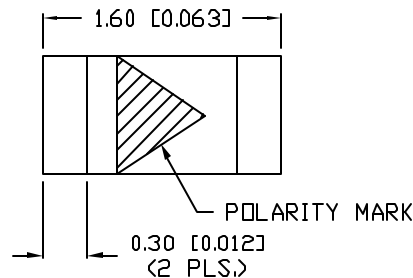
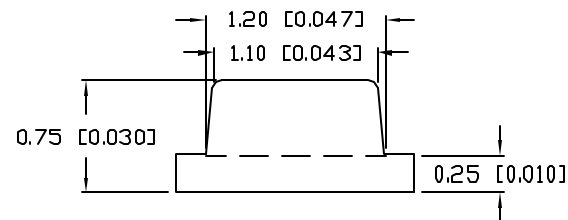
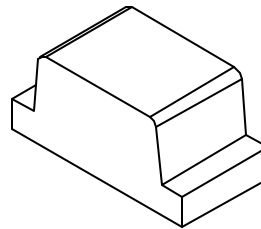
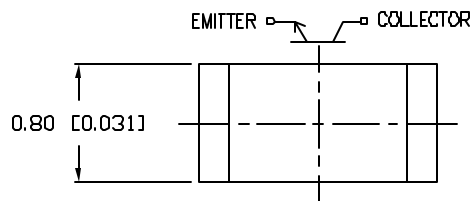
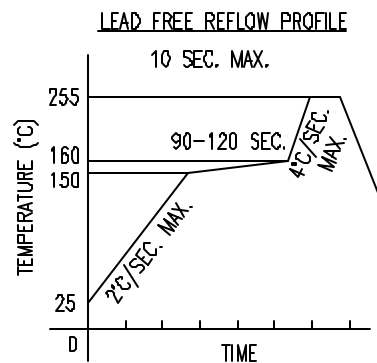


UNCONTROLLED DOCUMENT

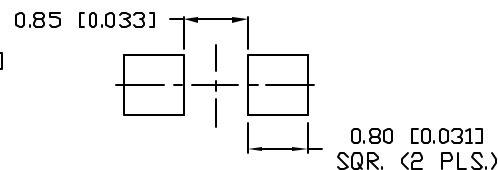


TAPE FEED DIRECTION →



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER
OED-STFT0603C120TR

REV.

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
COLLECTOR DARK CURRENT	I_{ceo}	$V_{ce}=10\text{V}$ $E_e=0\text{mw/cm}^2$			100	nA
COLLECTOR LIGHT CURRENT	I_c	$V_{ce}=5\text{V}$ $E_e=1.0\text{mw/cm}^2$	0.2			mA
COLLECTOR-EMITTER SATURATION VOLTAGE	$V_{ce(sat)}$	$I_c=0.5\text{mA}$ $E_e=1\text{mw/cm}^2$			0.8	V
SWITCHING SPEEDS:		$V_{cc}=5\text{V}$ $I_c=1\text{mA}$ $R_L=100\Omega$				
RISING TIME	T_r			3.0		μS
FALLING TIME	T_f			3.0		μS
SPECTRAL SENSITIVITY	λ			450~1100		nm
PEAK WAVELENGTH	λ_p			940		nm
ANGULAR RESPONSE	$\Delta\theta$			± 60		DEG
LENS COLOR:				WATER CLEAR		

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE	30	V
EMITTER-COLLECTOR VOLTAGE	5	V
POWER DISSIPATION	100	mW
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	5 SEC. MAX	

NOTES:

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



CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

UNCONTROLLED DOCUMENT

*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 -0.00, MAX=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

OED-STFT0603C120TR

1.6mm x 0.8mm SURFACE MOUNT PHOTO TRANSISTOR,

WATER CLEAR LENS, TAPE AND REEL

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 5.9.05

JD

PAGE: 1 OF 1

SCALE: N/A