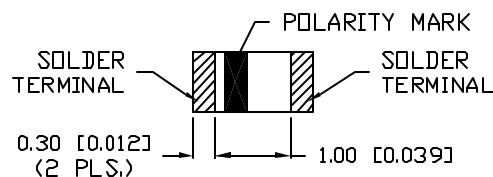
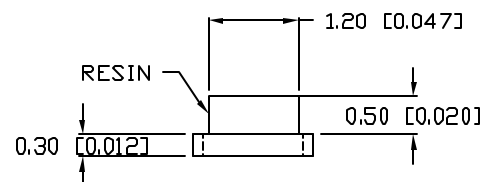
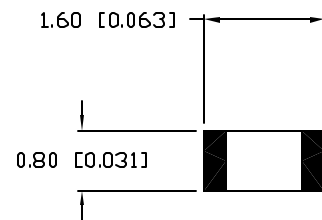
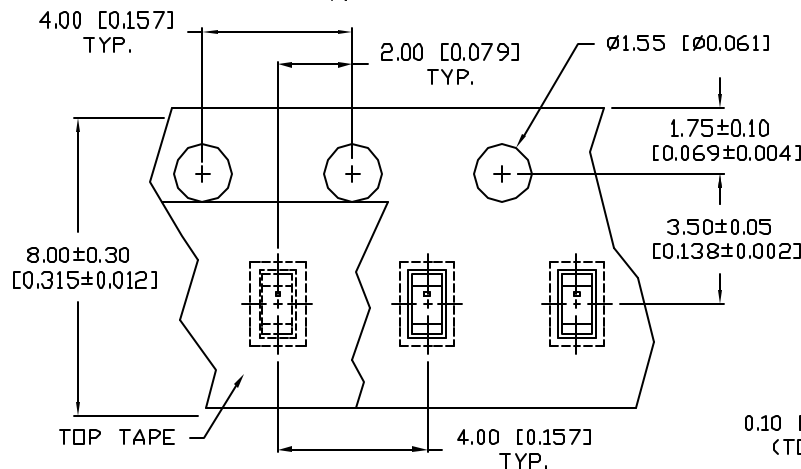


UNCONTROLLED DOCUMENT

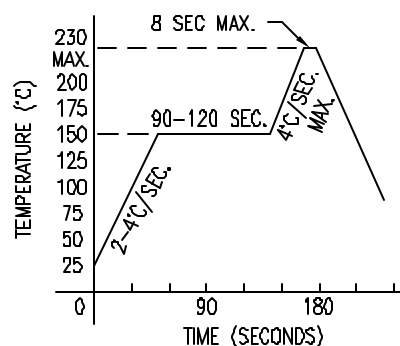
PART NUMBER
OED-CLFT0603C145REV.
AREV. E.C.N. NUMBER AND REVISION COMMENTS
A E.C.N. #11148.DATE
5.16.07

POLARITY

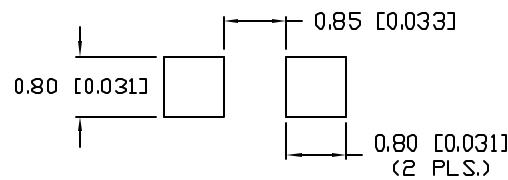


*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005).

REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS				Ta=25°C	
PARAMETER	MIN	TYP	MAX	UNITS	TEST UNITS
FORWARD VOLTAGE		1.45	1.65	V	If=50mA
REVERSE CURRENT			5.0	µA	Vr=5V
POWER OUTPUT		0.8		mW/sr	If=20mA
CAPACITANCE		30		pF	f=1MHz
BEAM HALF ANGLE		±72.5		DEG.	
PEAK WAVELENGTH		850		nm	If=20mA
SPECTRAL BANDWIDTH		45		nm	If=20mA

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	mA
STEADY CURRENT	65	mA
POWER DISSIPATION	130	mW
DERATE FROM 25°C	-1.0	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

DUTY RATIO <1%, FREQUENCY = 1KHz

NOTES:

- 2,000 PIECES PER REEL.
- MOISTURE SENSITIVE LABEL ON REEL AND BAG.
- ANTISTATIC HEATSEALED BAG.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

UNCONTROLLED DOCUMENT

REV.
APART NUMBER
OED-CLFT0603C145SMT IR EMITTER, 0603 PACKAGE,
850nm.

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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