

UNCONTROLLED DOCUMENT

PART NUMBER
OED-CLFT0603C145/A

REV.

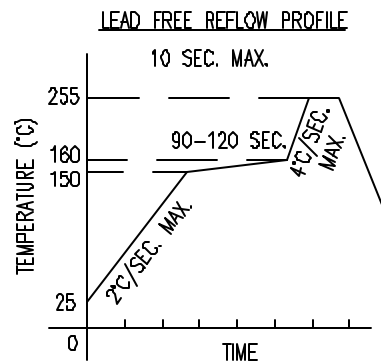
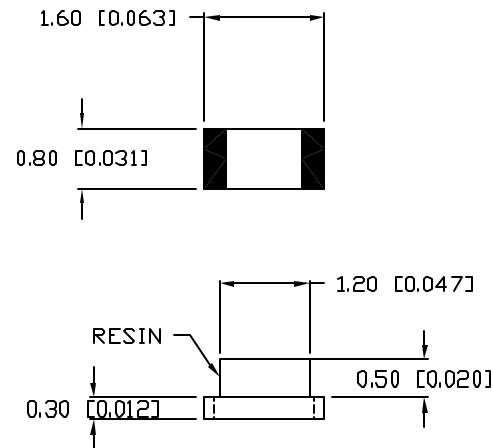
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REV. E.C.N. NUMBER AND REVISION COMMENTS

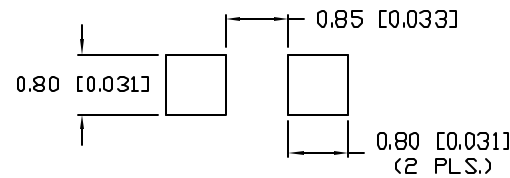
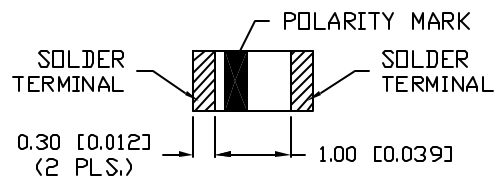
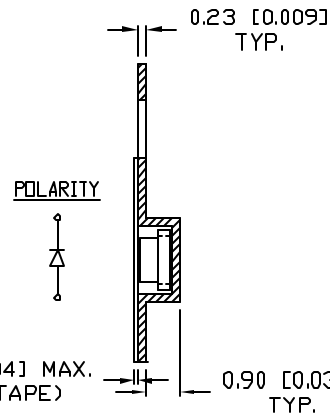
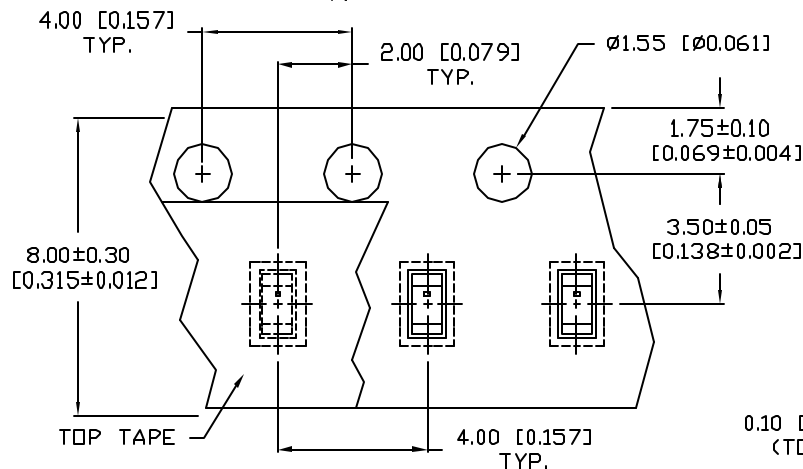
DATE

A E.C.N. #11148.

5.16.07



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

POLARITY
⚡

ELECTRO-OPTICAL CHARACTERISTICS				Ta=25°C	
PARAMETER	MIN	TYP	MAX	UNITS	TEST UNITS
FORWARD VOLTAGE		1.3	1.6	V	If=20mA
REVERSE CURRENT			10.0	µA	Vr=5V
POWER OUTPUT		0.5		mW/sr	If=20mA
BEAM HALF ANGLE		±72.5		DEG.	
PEAK WAVELENGTH		875		nm	If=20mA
SPECTRAL BANDWIDTH		80		nm	If=20mA

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	mA
STEADY CURRENT	65	mA
POWER DISSIPATION	110	mW
DERATE FROM 25°C	-1.0	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

DUTY RATIO <1%, FREQUENCY = 1KHz

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 -0.00 MAX= +0.00 -DECIMAL PRECISION

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SMT IR EMITTER, 0603 PACKAGE,
875nm.

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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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CHECKED BY:

APPROVED BY:

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PAGE: 1 OF 1

SCALE: N/A

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