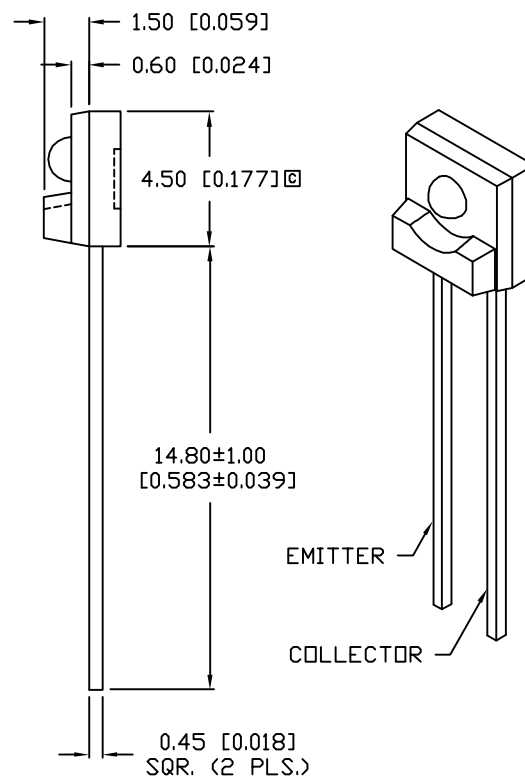
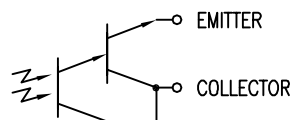
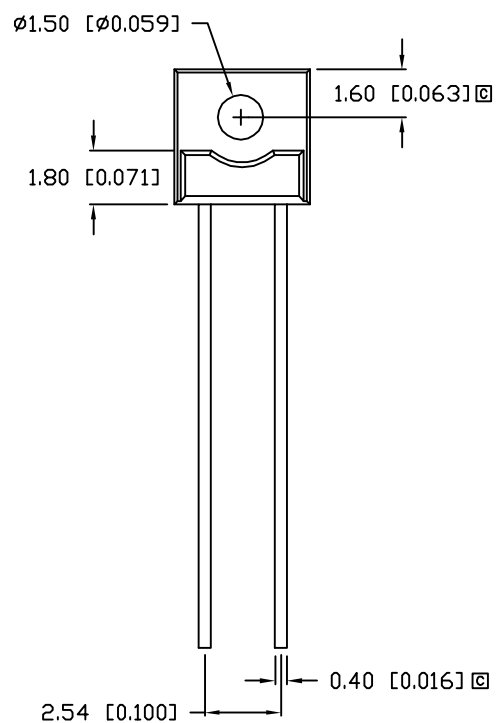
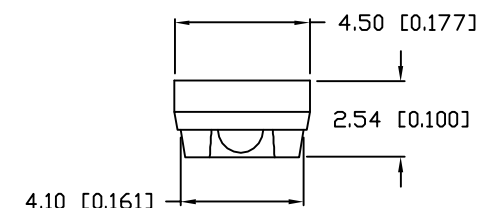


UNCONTROLLED DOCUMENT



EMITTER

COLLECTOR

PART NUMBER		REV.
OED-PT-23G		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR.	1.5.98
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.30.03
C	E.C.N. #11585.	09.14.09

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SPECTRAL SENSITIVITY	400	940	1100	nm	
C/E SATURATION VOLTAGE			1.0	V	$I_c = 1\text{ mA}$ $E_e = 0.2\text{ mW/cm}^2$ $V_{ce} = 10\text{ V}$
COLLECTOR DARK CURRENT			1000	nA	$E_e = 0.555\text{ mW/cm}^2$ $V_{ce} = 5\text{ V}$
COLLECTOR ON CURRENT	5.0			mA	$E_e = 0\text{ mW/cm}^2$ $V_{ce} = 5\text{ V}$
RISE/FALL TIME		40/60		μS	$V_{ce} = 5\text{ V}, R_l = 100\ \Omega$
EPOXY FINISH:	WATER CLEAR				$I_c = 10\text{ mA}$

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	5	V
COLLECTOR CURRENT	20	mA
POWER DISSIPATION	75	mW
OPERATING TEMP.	-20 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
3.0mm FROM BC ₁		5 SEC. MAX

*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 MAX.=+0.00 -DECIMAL PRECISION

REV.
CPART NUMBER
OED-PT-23GHIGH OUTPUT, SIDE EMITTING,
PHOTOTRANSISTOR, DARLINGTON CONFIGURATION.

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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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