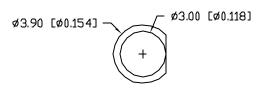
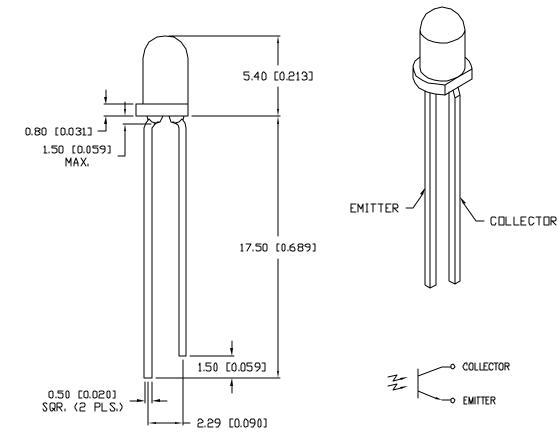
UNCONTROLLED DOCUMENT





PART NUMBER OED-ST3052C16

REV. E.C.N. NUMBER AND REVISION COMMENTS DATE 5.30,03 E.C.N. #10BRDR, & REDRAWN IN 3D.

REV.

ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SPECTRAL SENSITIVITY		900		nm	
C/E BREAKDOWN VOLTAGE	30			٧	lc=100μA Ee= 0.0 mW/cπ²
E/C BREAKDOWN VOLTAGE	5			٧	lc=100µA Ee= 0.0 mW/cm²
C/E SATURATION VOLTAGE			0.5	٧	lc= 2 mA Ee= 20 mW/cm²
COLLECTOR DARK CURRENT			100	nA	Vce=10V Ee= 0.0 mW/cm²
COLLECTOR ON CURRENT	8.3	13		mA	Vce= 5 V Ee= 1.0 mW/cm²
SWITCHING TIME		15		β	$lc=1mA$ $Vce=5 V,RI=1000 \Omega$
EPOXY FINISH: WATER	CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	5	V
POWER DISSIPATION	75	mW
OPERATING TEMP.	- 20 TO + 70	• C
STORAGE TEMP.	- 30 TO +80	' C
SOLDERING TEMP.	+ 230	' C
2.0mm FROM BODY		3 SEC. MAX

UNCONTROLLED DOC *UNLESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0,039), 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). MN=+DECIMAL PRECISION MAX.=+0.000

PART NUMBER REV. OED-ST3052C16

> 3mm PHOTO TRANSISTOR, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THRO PARTIES.

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.



BC

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

TW WEB: www.lumex.com.tw

CHECKED BY: DRAWN BY:

APPROVED BY:

DATE: 12.22.97 PAGE: 1 OF 1 SCALE: N/A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

OED-ST3052C16