

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[OED-ST-23G](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

DATE	REVISIONS	REV
10-24-95	CORRECTED EMITTER/COLLECTOR PIN NUMBERING./	A
12-22-97	E.C.N. #10BRDR./	B

DRAWING NUMBER	REV
OED-ST-23G	B

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

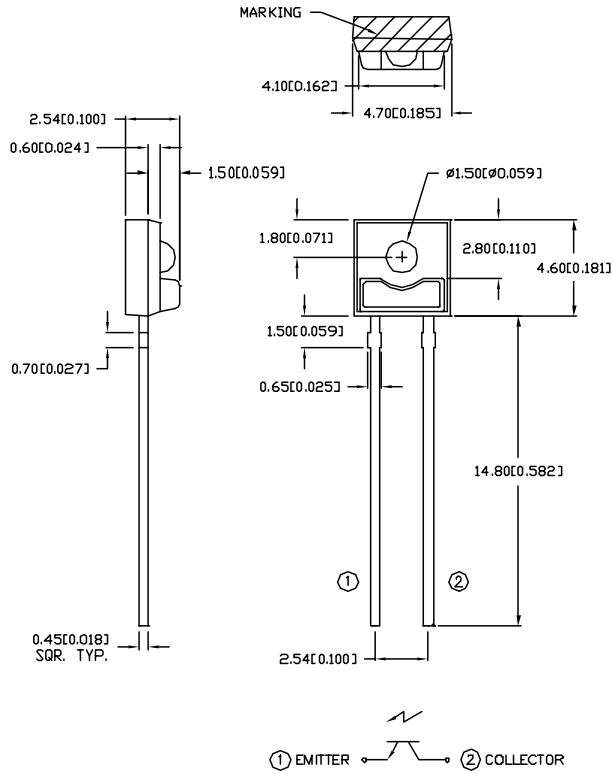
PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
COLLECTOR DARK CURRENT	I_{cco}	$V_{ce0} = 10\text{V}$ $E_e = 0.5\text{mW/cm}^2$		1	100	nA
COLLECTOR LIGHT CURRENT	I_c	$V_{ce} = 5\text{V}$ $E_e = 0.5\text{mW/cm}^2$	0.5	4.0		mA
COLLECTOR-EMITTER SATURATION VOLTAGE	$V_{ce(sat)}$	$I_c = 0.2\text{mA}$ $E_e = 0.5\text{mW/cm}^2$		0.2	0.4	V
SWITCHING SPEEDS:		$V_{ce} = 5\text{V}$				
RISING TIME	T_r	$I_c = 1\text{mA}$		3.2		μS
FALLING TIME	T_f	$R_L = 100\Omega$		4.8		μS
PEAK WAVELENGTH	λ_p			880		nm
ANGULAR REPSONSE	$\Delta\theta$			± 30		DEG
LENS COLOR:				CLEAR		

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE (V_{ce0})	30	V
EMITTER-COLLECTOR VOLTAGE (V_{eco})	6	V
POWER DISSIPATION	100	mW
OPERATING TEMP.	-20 TO +100	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +100	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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.



UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

		290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790	
		<small>CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INCORPORATED. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INCORPORATED, 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 THIRD PARTIES.</small>	
DATE: 12-22-97	DWN:	CHK'D:	APPD:
SCALE: N/A			
HIGH OUTPUT PHOTOTRANSISTOR, WATER CLEAR LENS, SIDE-EMITTING.			
PAGE 1 OF 1	DRAWING NUMBER OED-ST-23G		REV B