



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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
COLLECTOR DARK CURRENT	I_{ceo}	$V_{ce} = 10\text{V}$ $E_e = 0.5\text{mw/cm}^2$			100	nA
COLLECTOR LIGHT CURRENT	I_c	$V_{ce} = 10\text{V}$ $E_e = 0.5\text{mw/cm}^2$	0.5			mA
COLLECTOR-EMITTER SATURATION VOLTAGE	$V_{ce(sat)}$	$I_c = 0.4\text{mA}$ $E_e = 0.5\text{mw/cm}^2$		0.3	0.4	V
SWITCHING SPEEDS: $V_{cc} = 5\text{V}$						
RISING TIME	T_r	$I_c = 1\text{mA}$		15		μS
FALLING TIME	T_f	$R_l = 1000\Omega$		15		μS
PEAK WAVELENGTH	λ_p			800		nm
ANGULAR RESPONSE	$\Delta\theta$			± 60		DEG
LENS COLOR:						BLACK

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE	30	V
EMITTER-COLLECTOR VOLTAGE	5	V
POWER DISSIPATION	75	mW
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-25 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

*UNLESS OTHERWISE SPECIFIED 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), MIN= ^{+0.00}/_{-0.00} DECIMAL PRECISION, MAX.= ^{+0.00}/_{-0.00} DECIMAL PRECISION

REV.	PART NUMBER OED-ST-392T-TL	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 THIRD PARTIES.	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
T-4.8mm x 4.5mm PHOTOTRANSISTOR, BLACK LENS.		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.	DRAWN BY: GB CHECKED BY: APPROVED BY: DATE: PAGE: 1 OF 1 SCALE: N/A