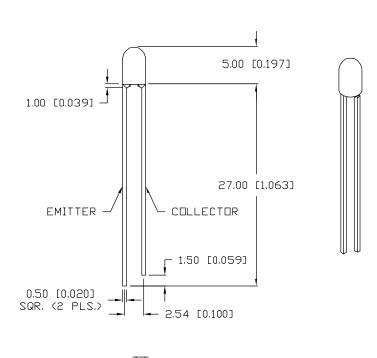
0ED-ST305F4B50





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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SPECTRAL SENSITIVITY		940		nm	
C/E BREAKDOWN VOLTAGE	30			V	lc=100µA Ee= 0.0 mW/cm²
E/C BREAKDOWN VOLTAGE	5.0			٧	lc=100µA
C/E SATURATION VOLTAGE			0.8	٧	Ee= 0.0 mW/cm ² lc= 2 mA
COLLECTOR DARK CURRENT			100	nA	Ee= 20 mW/cm ² Vce=10 V
COLLECTOR ON CURRENT	0.3	1.0		mA	$Ee = 0.0 \text{mW/cm}^2$ $Vce = 5 \text{V}$
SWITCHING TIME		3		Su	Ee= 1.0 mW/cm² lc=1 mA
				•	$Vce=5 V,RI=1000 \Omega$
EPOXY FINISH: BLUE	TRANSF	PARENT			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS	
C/E BREAKDOWN VOLTAGE	30	V	
E/C BREAKDOWN VOLTAGE	5	V	
POWER DISSIPATION	100	mW	
OPERATING TEMP.	- 40 TO +85	°C	
STORAGE TEMP.	-40 TO +85	° C	
SOLDERING TEMP.	+ 260	. C	
2.0mm FROM BODY		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 ARE: X=±1 (±0.039), X.X=±0.5 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003), MIN= +DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), MIN= +DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.000 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.00

REV. PART NUMBER 0ED-ST305F4B50

> T-3mm (T-1) 940nm INFRARED DETECTOR, BLUE TRANSPARENT LENS.

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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.



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

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