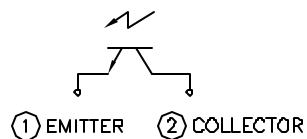
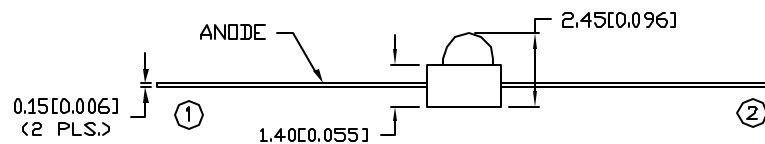
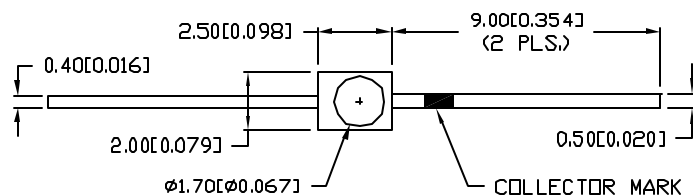


ELECTRO—OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
COLLECTOR DARK CURRENT	I_{ce0}	$V_{ce0} = 10\text{V}$ $E_e = 0.5\text{mW/cm}^2$			100	nA
COLLECTOR LIGHT CURRENT	I_c	$V_{ce} = 3\text{V}$ $E_e = 0.5\text{mW/cm}^2$		6.0		mA
COLLECTOR—EMITTER SATURATION VOLTAGE	$V_{ce(sat)}$	$I_c = 0.2\text{mA}$ $E_e = 0.5\text{mW/cm}^2$		0.4	0.5	V
SWITCHING SPEEDS:		$V_{cc} = 5\text{V}$				
RISING TIME	T_r	$I_c = 1\text{mA}$		15		μs
FALLING TIME	T_f	$R_l = 100\Omega$		15		μs
PEAK WAVELENGTH	λ_p			900		nm
ANGULAR RESPONSE	$\Delta\theta$			± 20		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})	5	V
POWER DISSIPATION	50	mW
OPERATING TEMP.	-20 TO $+80$	$^\circ\text{C}$
STORAGE TEMP.	-25 TO $+85$	$^\circ\text{C}$
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.

LUMEX
INCORPORATED

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DATE: 12-22-97	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-1.7mm AXIAL
PHOTOTRANSISTOR.