

DATE	REVISIONS	REV
12-31-97	E.C.N. #10BRDR./	A

DRAWING NUMBER	REV
OED- PT- 1KLB	A

ELECTRO-OPTICAL CHARACTERISTICS_AT =25°C

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
COLLECTOR DARK CURRENT	I _{ceo}	V _{ceo} =10V E _e =0.5mw/cm ²			100	nA
COLLECTOR LIGHT CURRENT	I _c	V _{ce} = 5V E _e =0.5mw/cm ²	5.0			mA
COLLECTOR-EMITTER SATURATION VOLTAGE	V _{ce} (sat)	I _c = 0.2 mA E _e =0.5mw/cm ²			1.4	V
SWITCHING SPEEDS:		V _{cc} =5V				
RISING TIME	T _r	I _c =1mA		65		μS
FALLING TIME	T _f	R _i =100Ω		75		μS
PEAK WAVELENGTH	λ _p			800		nm
ANGULAR REPSONSE	Δθ			±15		DEG
LENS COLOR:	CLEAR					

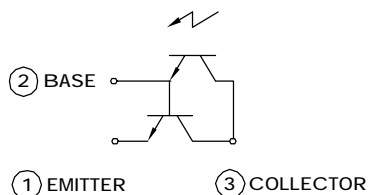
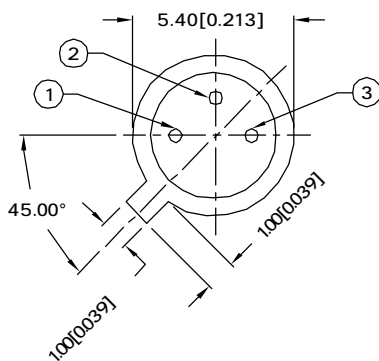
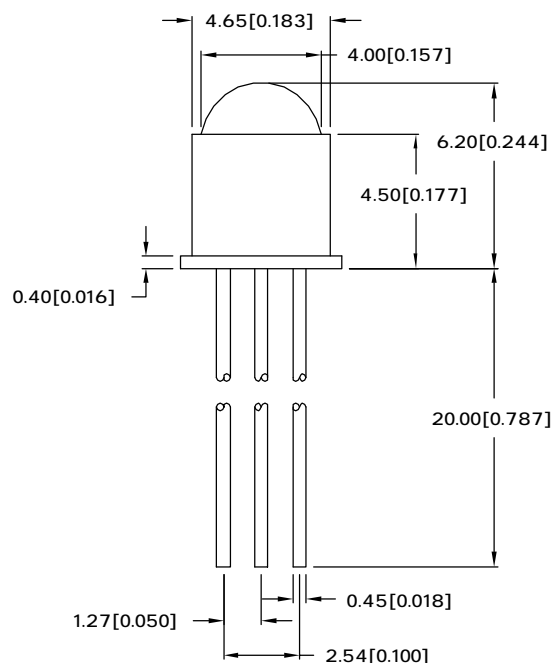
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE (V _{ceo})	30	V
EMITTER-COLLECTOR VOLTAGE (V _{eco})	4	V
POWER DISSIPATION	100	mW
OPERATING TEMP.	-30 TO +120	°C
STORAGE TEMP.	-30 TO +125	°C
SOLDERING TEMP.	+260	°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.

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UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±.25mm (±0.010")

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DATE: 4-27-95	DWN:	CHK'D:	APPD:
SCALE: N/A			
TO- 18 HIGH OUTPUT, NPN SILICON PHOTODARLINGTON, HERMETICALLY SEALED.			
PAGE 1 OF 1	DRAWING NUMBER OED- PT- 1KLB		REV A