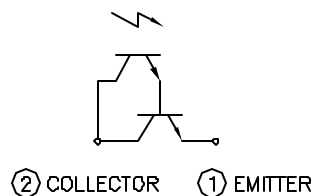


	DRAWING NUMBER OED-PT-304R2	REV A
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UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm .25\text{mm}$ ($\pm 0.010"$)

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
COLLECTOR DARK CURRENT	I_{ce0}	$V_{ce0}=10V$ $E_e=0.5mw/cm^2$			1000	nA
COLLECTOR LIGHT CURRENT	I_c	$V_{ce}=5V$ $E_e=0.5mw/cm^2$	5.0			mA
COLLECTOR-EMITTER SATURATION VOLTAGE	$V_{ce(sat)}$	$I_c=0.2mA$ $E_e=0.5mw/cm^2$			1.4	V
SWITCHING SPEEDS:		$V_{cc}=5V$				
RISING TIME	T_r	$I_c=1mA$		65		μS
FALLING TIME	T_f	$R_l=100\Omega$		75		μS
PEAK WAVELENGTH	λ_p			850		nm
ANGULAR RESPONSE	$\Delta\theta$			± 40		DEG
LENS COLOR:	BLACK					

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE (V_{CE0})	30	V
EMITTER-COLLECTOR VOLTAGE (V_{EC0})	4	V
POWER DISSIPATION	75	mW
OPERATING TEMP.	-20 TO +85	°C
STORAGE TEMP.	-20 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

NEEDLEPOINT 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. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790	
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DATE:	2-14-95	DWN:	CHK'D:
SCALE:	N/A		APPD:
HIGH OUTPUT, SIDE-EMITTING, PHOTODARLINGTON, BLACK LENS.			
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