



PART NUMBER		REV.
OED-S13181-2T		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.15.03

ELECTRO-OPTICAL CHARACTERISTICS I _A =25°C I _F =20 mA			
PARAMETER	MIN	TYP	MAX UNITS TEST COND
PEAK WAVELENGTH		940	nm
FORWARD VOLTAGE		1.2	1.6 V I _F =20 mA
REVERSE VOLTAGE	5.0		V I _C =10 μA
DARK CURRENT		100	nA V _{CE} =10V
C/E SATURATION VOLTAGE		0.4	V I _C =0.5 mA
COLLECTOR ON CURRENT	0.9	4	mA V _{CE} =5 V
SWITCHING TIME		20	μS I _C =1000 μA
			V _{CE} =5 V, R _I =100 Ω

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	50	mA
REVERSE VOLTAGE	5	V
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	5	V
POWER DISSIPATION	75	mW
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+280	°C
2.0mm FROM BODY		5 SEC. MAX

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 (+0.030), X±#0.3 (+0.020), X±#1.25 (+0.010), XXX=#±0.127 (+0.005), LEAD SIZE=#0.06 (+0.002), LEAD LENGTH=#0.75 (+0.030), MIN=-0.00

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PHOTO INTERRUPTER, 2 TABS.



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			SCALE: N/A