

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	30			V	$I_C=1\text{mA}$ $E_e=0\text{mW/cm}^2$
Emitter-Collector Breakdown Voltage	$V_{(BR)ECO}$	5			V	$I_E=100\text{ }\mu\text{A}$ $E_e=0\text{mW/cm}^2$
Collector Emitter Saturation Voltage	$V_{CE(SAT)}$			0.4	V	$I_C=100\text{ }\mu\text{A}$ $E_e=1\text{mW/cm}^2$
Rise Time	T_r		10		μS	$V_{CC}=5\text{V}$ $I_C=1\text{mA}$ $R_L=1\text{K }\Omega$
Fall Time	T_f		15		μS	
Collector Dark Current	I_{CEO}			100	nA	$V_{CE}=10\text{V}$ $E_e=0\text{mW/cm}^2$
On State Collector Current	$I_{C(ON)}$	0.2	1		mA	$V_{CE}=5\text{V}$ $E_e=1\text{mW/cm}^2$ $\lambda=940\text{nm}$

Typical Electrical/Optical Characteristic Curves
(25°C Ambient Temperature Unless Otherwise Noted)

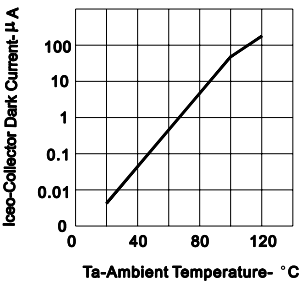


FIG.1 COLLECTOR DARK CURRENT VS AMBIENT TEMPERATURE

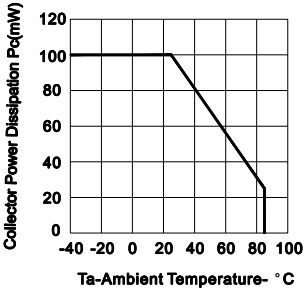


FIG.2 COLLECTOR POWER DISSIPATION VS AMBIENT TEMPERATURE

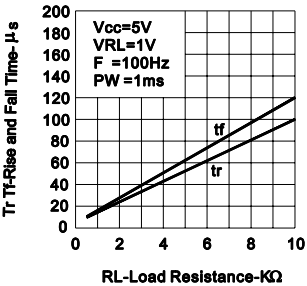


FIG.3 RISE AND FALL TIME VS LOAD RESISTANCE

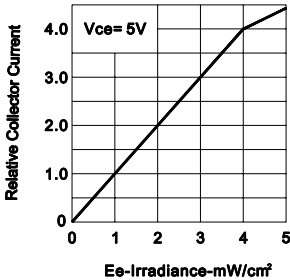


FIG.4 RELATIVE COLLECTOR CURRENT VS IRRADIANCE

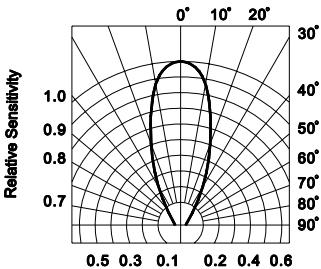


FIG.5 SENSITIVITY DIAGRAM