

深圳市晶创和立科技有限公司

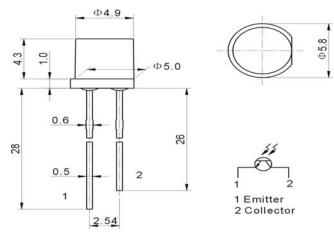
SHENZHEN JINGCHUANGHELI TECHNOLOGY CO., LTD.

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Room 9CF013, Temple security building, Niulanqian Minzhi street, Longhua district Shenzhen P. R. C

Part No.: (HL504HP) PT523C-EE1 UNIT: mm

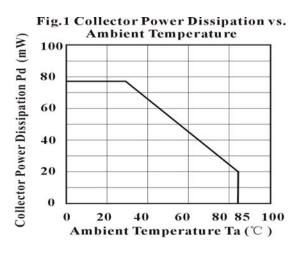


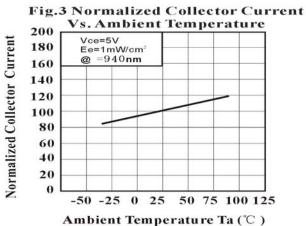
NOTE: TOLERANCE ± 0.5 mm

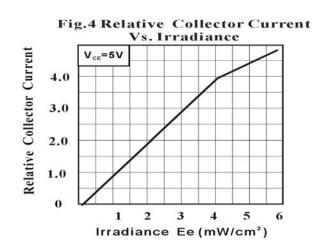
Parameter	Symbol	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Collector dark current	I _{CEO}			100	nA	V _{CE} =20V Ee=0mW/cm ²
On State Collector Current	I _{C(on)}	0.7	2.0		mA	Ee=1mW/cm ² V _{CE} =5V
Collector-Emitter Breakdown Voltage	V _{CEO}	30		100	V	$I_C=100 \mu A$ Ee=0mW/cm ²
Emitter-Collector Breakdown Voltage	V_{ECO}	6.5				
C-E Saturation Voltage	V _{CE (Sat)}			0.2	V	$I_C=2mA$ $I_B=100uA$
Current gain	$\mathbf{h}_{\mathbf{FE}}$	1000		1800	uA	V _{CE} =5V Ic=2mA
Wavelength of Peak Sensitivity	λр		940		nm	
Range of Spectral Bandwidth	$\lambda_{0.5}$	400		1200	nm	
Rise Time(10%to90%)	tr		15		uS	V _{CE} =5V Ic=1mA
Fail Time(90%to10%)	t_{f}		15			R_L =100ohms
Half sensitivity angle	Δλ		±30		deg	
C-Power dissipation	P _C		165		mW	
Collector-base Capacitance	ССВ	5.4	6.4	7.4	PF	f=1MHZ V _{CB} =3V

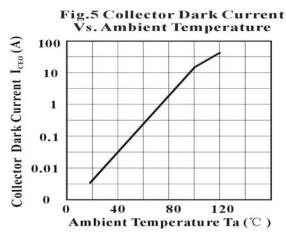


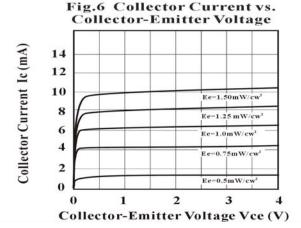
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- ABSOLUTE MAXIMUM RATINGS: $(Ta=25^{\circ}C)$
- OPERATING TEMPERATURE: -25°C TO +85°C
- LEAD SOLDERING TEMPERATURE: 260°C FOR 5 SECONDS