

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

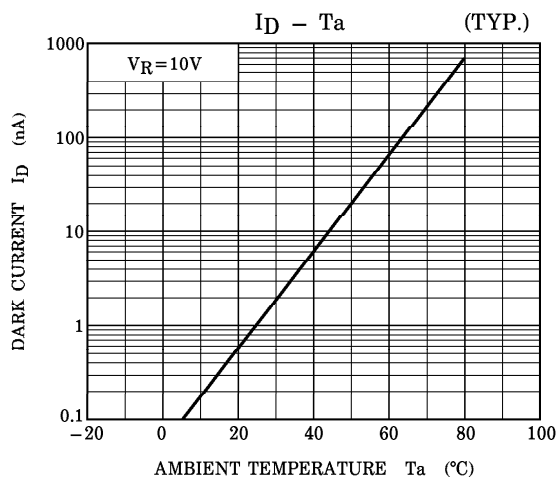
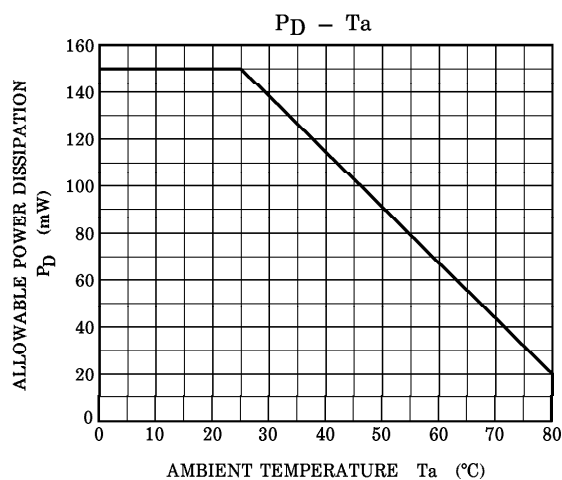
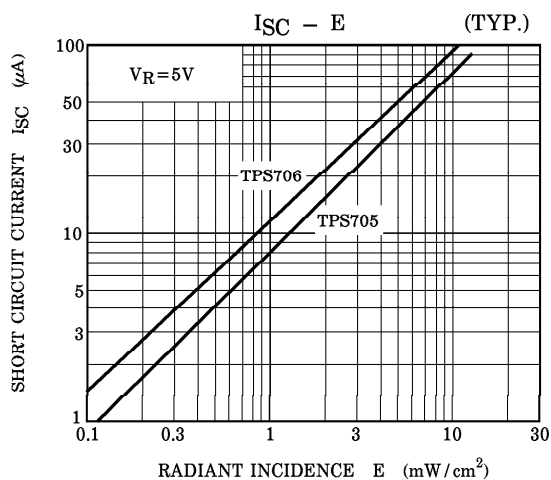
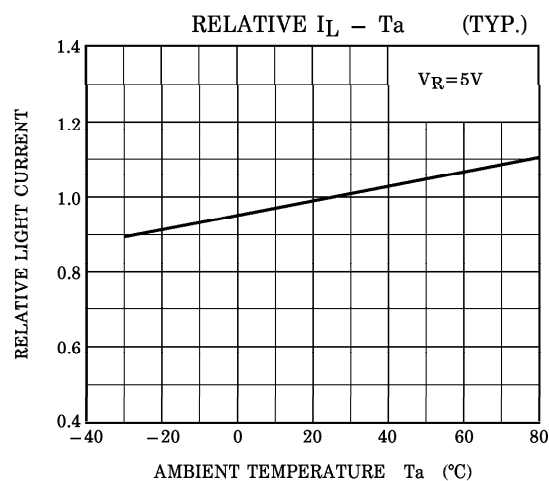
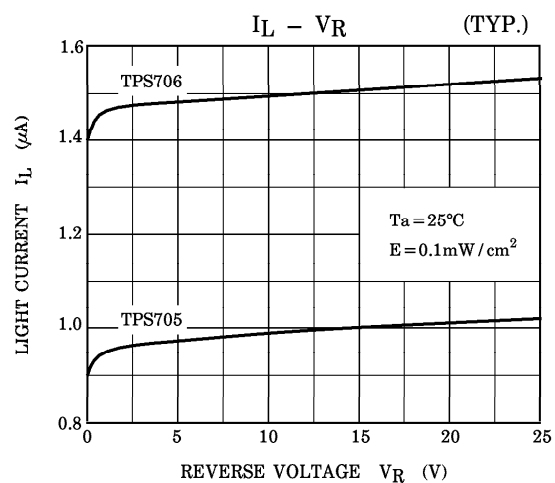
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Short Circuit Current	I _{SC}	E = 0.1mW / cm ² (Note)	TPS705	0.5	0.9	μA
			TPS706	1.0	1.5	
Dark Current	I _D	V _R = 10V, E = 0	—	1	30	nA
Open Circuit Voltage	V _{OP}	E = 0.1mW / cm ² (Note)	150	250	—	mV
Capacitance	C _T	V _R = 3V, f = 1MHz	TPS705	—	12	pF
			TPS706	—	24	
Peak Sensitivity Wavelength	λ _P	—	—	970	—	nm
Switching Time	Rise Time	V _R = 10V, R _L = 1kΩ	—	100	—	ns
	Fall Time		—	100	—	
Half Value Angle	θ _½	—	—	±65	—	°

Note : Color temperature = 2870°K, Standard Tungsten Lamp.

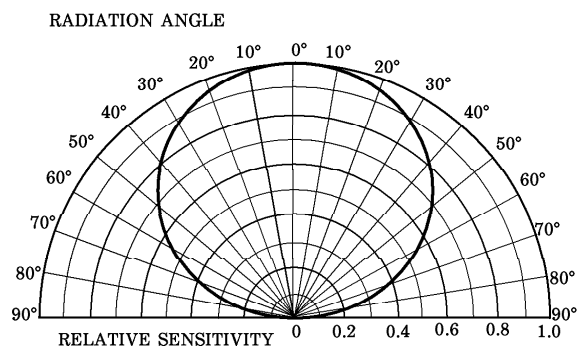
PRECAUTION

Please be careful of the followings.

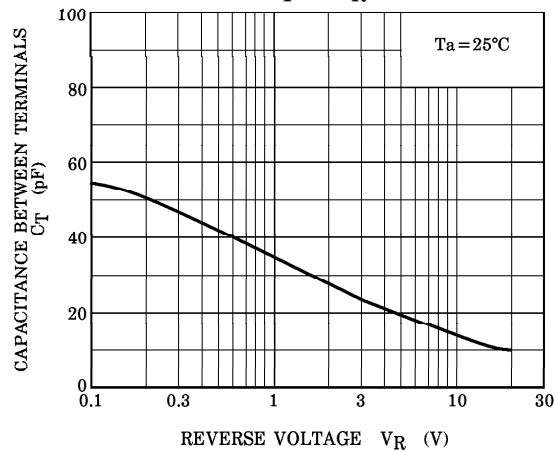
1. Soldering shall be performed at a portion of lead above 1.75mm from the body of the device.
2. If the lead is formed, the lead should be formed at a distance of 1.75mm from the body of the device.
Soldering shall be performed after lead forming.



DIRECTIONAL SENSITIVITY CHARACTERISTIC
(TYP.) ($T_a=25^{\circ}\text{C}$)



$C_T - V_R$ (TYP.)



SPECTRAL RESPONSE (TYP.)

