



# Phototransistors Side Look

Part Number	Chip		Lens Color	Electrical & Optical Characteristics				Viewing Angle $2\theta$ 1/2
	Material	Wave length $\lambda$ p(nm)		Light Current $I_{c(on)}$ (mA) @ $V_{CE}=5V$ $E_e=0.5\text{ mW/cm}^2$	Saturation Voltage $V_{CE(sat)}$ (V) @ $I_c=0.1\text{ mA}$ $E_e=0.5\text{ mW/cm}^2$	Breakdown Voltage $V_{BR(CEO)}$ (V) @ $I_c=0.1\text{ mA}$ $E_e=0\text{ mW/cm}^2$	Dark Current $I_D$ (nA) @ $V_{CE}=10V$ $E_e=0\text{ mW/cm}^2$	
				Typ.	Max.	Min.	Max.	

① Emitter  
② Collector

BPT-NP03C1	Si-Phototransistor (NPN)	940(400-1100)	Water Clear	0.50	0.50	30	100	-
BPT-NP13C1		940(400-1100)		0.45	0.50	30	100	
BPT-NP23C1		940(400-1100)		0.45	0.50	30	100	

① Emitter  
② Collector

BPT-NP03C2	Si-Phototransistor (NPN)	940(400-1100)	Water Clear	0.65	0.50	30	100	-
BPT-NP13C2		940(400-1100)		0.45	0.50	30	100	
BPT-NP23C2		940(400-1100)		0.65	0.50	30	100	