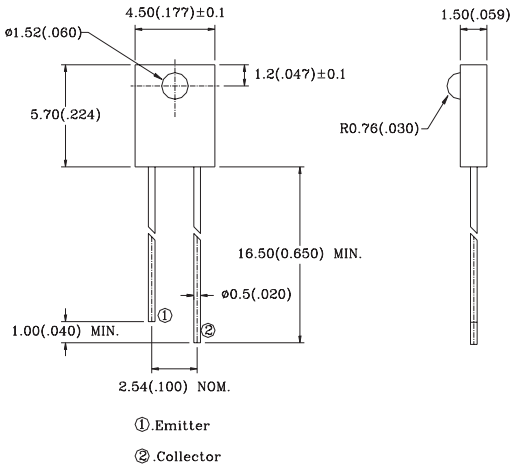
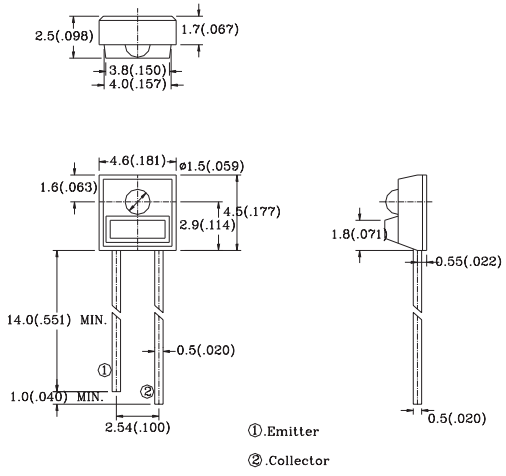




Phototransistors Side Look

Part Number	Chip		Lens Color	Electrical & Optical Characteristics				Viewing Angle 2θ 1/2
	Material	Wave length λ p(nm)		Light Current I _{c(on)} (mA) @V _{CE} =5V Ee=0.5mW/cm ²	Saturation Vo ltage V _{CE(sat)} (V) @I _C =0.1mA Ee=0.5mW/cm ²	Breakdown n Voltage V _{BR(CEO)} (V) @I _C =0.1mA Ee=0 mW/cm ²	Dark Current I _D (nA) @V _{CE} =10V Ee=0mW/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	