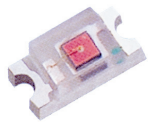


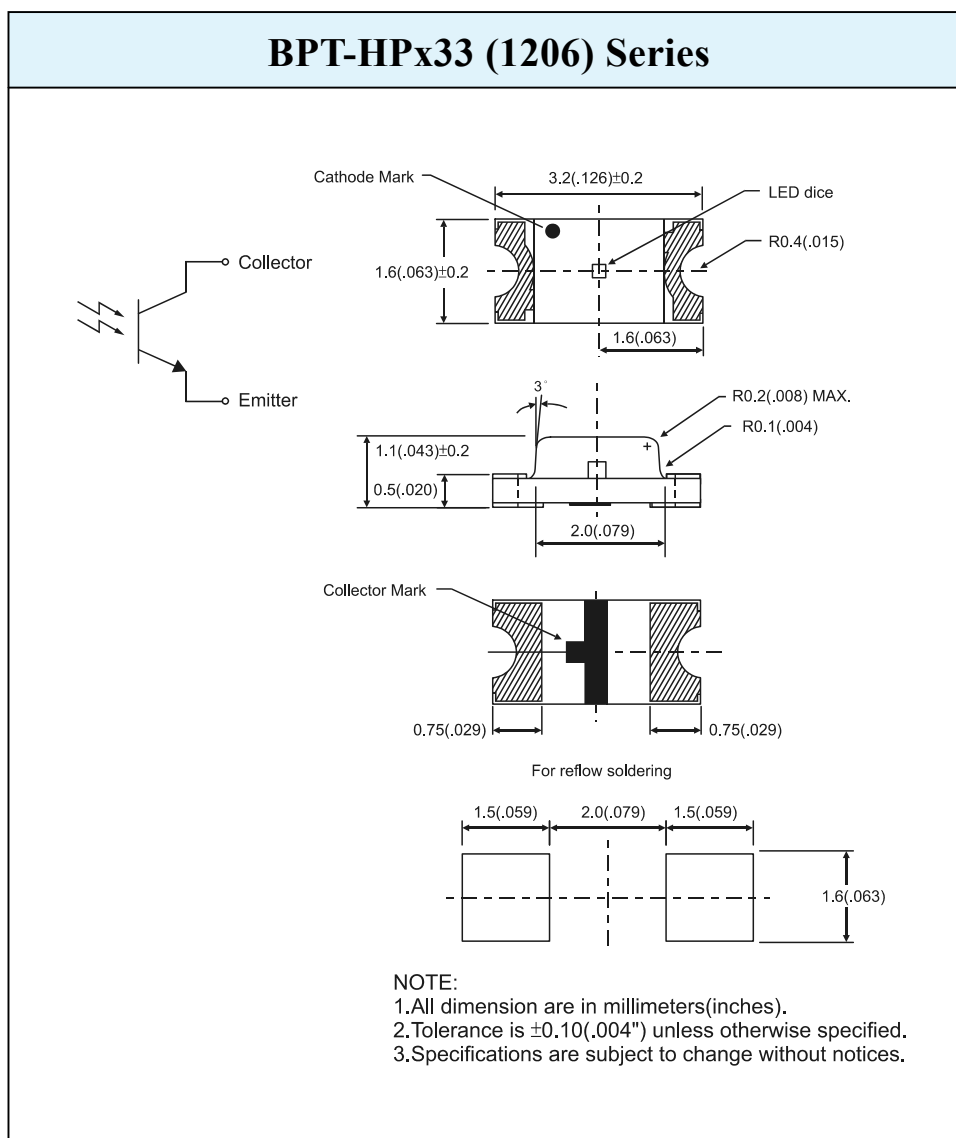
SURFACE MOUNT PHOTO TRANSISTORS



Absolute Maximum Ratings

(Ta=25°C)

	UNIT	SPEC.
Collector-Emitter Saturation Voltage Vce(sat)	V	0.5 Ic =100μA
Emitter-Collector Breakdown Voltage Bveco	V	5 Ie =100μA
Topr	°C	-40~+85
Tstg	°C	-40~+85
Power Dissipation	mW	100



Part No.	Parameter						
	Spectrum Sensitivity	Peak Wavelength	Collector Light Current Vce=5V, H=1.0mw/cm ²		Collector Dark Current, Vce=20V, H ₂ =1.0mw/cm ²	Rise/Fall Time Vce=5V, Ic=1mA RL=1KΩ	Viewing Angle 2 θ 1/2 (deg)
	λ (nm)	λp (nm)	I _{C(on)} (mA)		I _C E _O (nA)	T _R /T _F (us)	
			Min.	Typ.	Max.	Typ.	Typ.
BPT-HP033	500-1000	940	0.67	1.50	100	15/15	120°
BPT-HP133	500-1000	940	2.00	3.00	100	15/15	
BPT-HP233	500-1000	940	2.00	4.00	100	15/15	
BPT-HP833	500-1000	940	2.00	5.00	100	15/15	