

## APPLICATIONS

- For PC Mouse

## ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

### INPUT :

- Power Dissipation..... Pd=100mW
- Reverse Voltage..... VR=5V
- Forward Current..... If=60mA
- Peak Forward Current (tw=100usec.T=10msec.)..... IFP=1A

### OUTPUT :

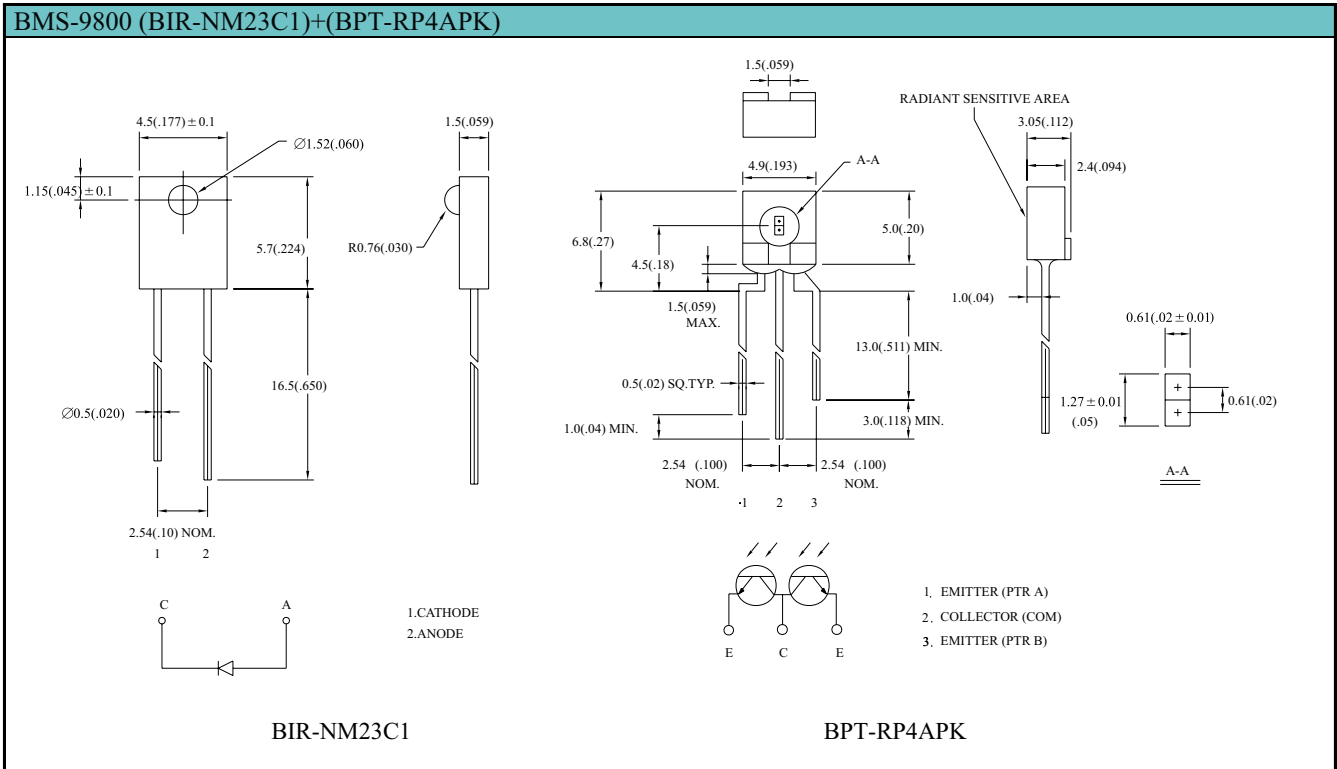
- Collector-Emitter Breakdown Voltage..... BVceo=30V Max.
- Emitter - Collector Breakdown Voltage..... BVeco=5.0V Max.
- Operating Temperature..... Topr= -30°C~+85°C
- Storage Temperature..... Tstg= -30°C~+100°C
- Soldering Temperature..... Tsol=260°C,t=5Sec

## ELECTRICAL AND RADIANT CHARACTERISTICS (Ta=25°C)

Part No.	Input							Output								Speed			
	Vf If=20mA (V)		Vr Vr=10V (uA)		λp (nm)	Radiant Power (mw/c m <sup>2</sup> )		Dark Current Iceo(nA) Vce=10V		C-E Saturation Voltage Vce(Sat) Ic=500uA/If=20mA			Collector Light Current IC (mA) Vce=5V,If=20mA				Leakage Current Vce=5V, If=20mA Iceod( uA)	Rise/Fall Time(usec)	
	Typ.	Max.	Min.	Max.	Typ.	Min.	Max.	Min.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Ratio,A/B	Max.	Tr	Tf
BMS-9800	1.2	1.6	-	10	940	1.0	4.5	-	20	-	-	0.4	1.0	2.0	5.0	1± 0.3	20	20	20

- Light Current Bin Grade :

A:1.0mA~2.0mA(Brown),B:1.5mA~2.5mA(Red),C:2.0mA~3.0mA(Orange),D:2.5mA~3.5mA(Yellow),E:3.0mA~4.0mA(Green),F:3.5mA~4.5mA(Blue),G:4.0~5.0mA(Purple),H:4.5~5.5mA(Gold).



- Notes : 1.All Dimensions are in millimeters (inches).  
2.Tolerance is ± 0.25mm (.010").