

◎ PHOTO INTERRUPTER

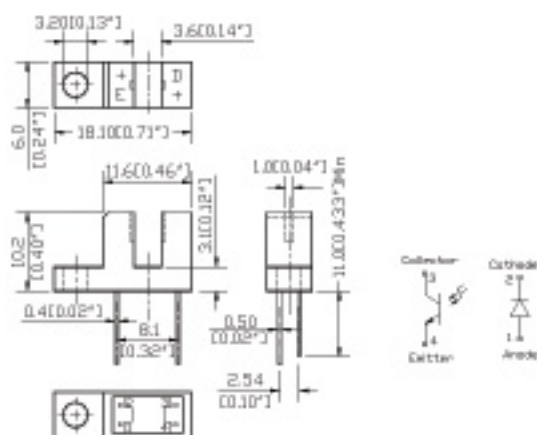
光遮断器

GH-903 Series Electro-Optical Characteristics:

Code for parts GH-XXXXX	Chip		Rise Time (us)	Fall Time (us)	Test Condition I_F/V_{CE}	$I_C(on)$ (Typ) (mA)	V_{CE} (sat.) (V)
	Material	Wave Length					
PC0202BS-93E	GaAs& Silicon	940nm	15μs	15μs	20	0.9	0.3



◎ Package Outline Drawing:



- NOTES: 1. All dimensions are in millimeters (inches);
2. Tolerances are $\pm 0.2\text{mm}$ (0.008inch) unless otherwise noted;
3. Resin color: water clear.

● Soldering iron

Basic spec is $\leq 5\text{sec}$ when 260°C . If temperature is higher, time should be shorter ($+10^\circ\text{C} \rightarrow -1\text{sec}$). Power dissipation of iron should be smaller than 15W, and temperatures should be controllable. Surface temperature of the device should be under 230°C .

◎ Absolute Maximum Ratings:

Code for parts	Infrared	I_F (mA)	I_{FP} (A)	V_R (V)	T_{OP} ($^\circ\text{C}$)	T_{ST} ($^\circ\text{C}$)
PC0202BS-93E	Photo Transistor	50	1	5	-40~+80	-40~+85
		P_D (mW)	V_{CEO} (V)	V_{ECO} (V)		
		100	30	5		

● Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width