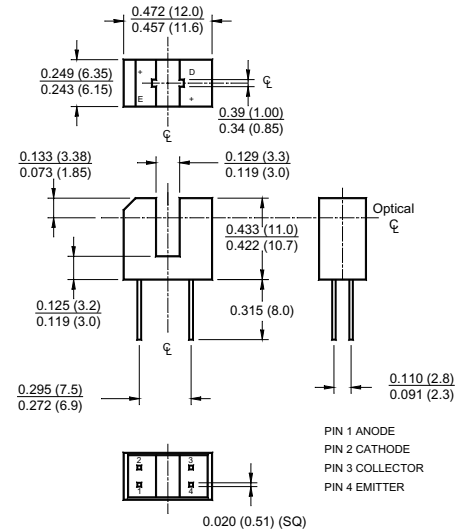
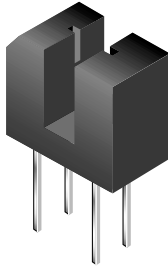


Transmissive Opto Sensors

Slotted Switch H22 (Analog – Standard Resolution)



Part Number	Test Conditions		I _C (ON) (mA) min	BV _{CEO} (V) min	Output	Aperture Width (mm)		Gap Width (mm)
	I _F (mA)	V _{CE} (V)				Emitter	Sensor	
CNY36	20	10	0.2	30	Phototransistor	0.94	0.94	3.15
H22A1	20	5	1.00	30	Phototransistor	0.94	0.94	3.15
H22A2	20	5	2.00	30	Phototransistor	0.94	0.94	3.15
H22A3	20	5	4.00	30	Phototransistor	0.94	0.94	3.15
H22A4	20	5	1.00	55	Phototransistor	0.94	0.94	3.15
H22A5	20	5	2.00	55	Phototransistor	0.94	0.94	3.15
H22A6	20	5	4.00	55	Phototransistor	0.94	0.94	3.15
H22B1	10	1.5	7.50	30	Photodarlington	0.94	0.94	3.15
H22B2	10	1.5	14.00	30	Photodarlington	0.94	0.94	3.15
H22B3	10	1.5	25.00	30	Photodarlington	0.94	0.94	3.15
H22B4	10	1.5	7.50	55	Photodarlington	0.94	0.94	3.15
H22B5	10	1.5	14.00	55	Photodarlington	0.94	0.94	3.15
H22B6	10	1.5	25.00	55	Photodarlington	0.94	0.94	3.15

All dimensions are in inches (millimeters)

Absolute Maximum Ratings	PARAMETER	CNY	H22A1-A3	H22A4-A6	H21B1-B3	H22B4-B6	
	Temperature						
	T _{OPR}	-55 to +85°C	-55 to +100°C	-55 to +100°C	-55 to +100°C	-55 to +100°C	
	T _{STG}	-55 to +85°C	-55 to +100°C	-55 to +100°C	-55 to +100°C	-55 to +100°C	
	T _{SOL-H}	240°C for 5 sec for all devices					
	T _{SOL-F}	260°C for 10 sec for all devices					
	Input Diode						
	I _F	60 mA	60 mA	60 mA	60 mA	60 mA	
	V _R	3.0 V	6.0 V	6.0 V	6.0 V	6.0 V	
	P _D	100 mW	100 mW	100 mW	100 mW	100 mW	
Output Transistor							
V _{CEO}	30 V	30 V	55 V	30 V	55 V		
V _{ECC}	4.5 V	4.5 V	4.5 V	6.0 V	6.0 V		
I _C	20 mA	20 mA	20 mA	40 mA	40 mA		
P _D	150 mW	150 mW	150 mW	150 mW	150 mW		