

KP-2012P3C	KP-3216P3C	KP-3015P3C	KPA-3010P3C
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PHOTOTRANSISTORS

2.0mm x 1.2mm x 1.1mm (0805)

KP-2012P3C WATER CLEAR LENS
 KP-2012P3BT BLUE TRANSPARENT LENS

3.2mm x 1.6mm x 1.1mm (1206)

KP-3216P3C WATER CLEAR LENS
 KP-3216P3BT BLUE TRANSPARENT LENS

3.0mm x 1.5mm x 1.1mm (1106)

KP-3015P3C WATER CLEAR LENS
 KP-3015P3BT BLUE TRANSPARENT LENS

3.0mm x 1.0mm x 2.0mm (1104)

KPA-3010P3C WATER CLEAR LENS
 KPA-3010P3BT BLUE TRANSPARENT LENS

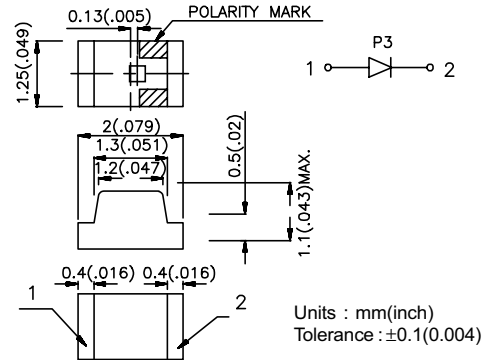
ABSOLUTE MAXIMUM RATING T_A=25°C

Parameter	Max. Ratings
Collector-to-Emitter Breakdown Voltage	30V
Emitter-to-Collector Breakdown Voltage	5V
Power Dissipation at (or below) 25°C Free Air Temperature	100mW
Operating Temperature Range	-40°C~ +85°C
Storage Temperature Range	-40°C~ +85°C

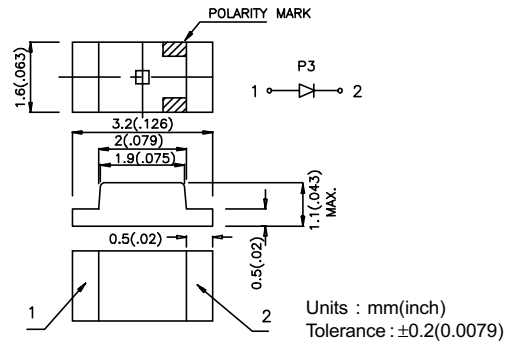
ELECTRICAL AND RADIANT CHARACTERISTICS T_A=25°C

Symbol	Parameter	Min.	Typ.	Max	Unit	Test Condition
V _{BR CEO}	Collector-to-Emitter Breakdown Voltage	30	-	-	V	I _C =100uA, I _B =0
V _{BR ECO}	Emitter-to-Collector Breakdown Voltage	5	-	-	V	I _E =100uA, I _B =0
V _{CE (SAT)}	Collector-to-Emitter Saturation Voltage	-	-	0.8	V	I _C =0.1mA, H=2.5mW/cm ²
I _{CEO}	Collector Dark Current	-	-	100	nA	V _{CE} =10V, H=0mW/cm ²
T _R	Rise Time (10% to 90%)	-	3	-	us	V _{CE} =5V, I _C =1mA, R _L =100Ω
T _F	Fall Time (90% to 10%)	-	3	-	us	
I _(ON)	On State Collector Current	0.1	0.3	-	mA	V _{CE} =5V, E _e =1mW/cm ² , λ=940nm

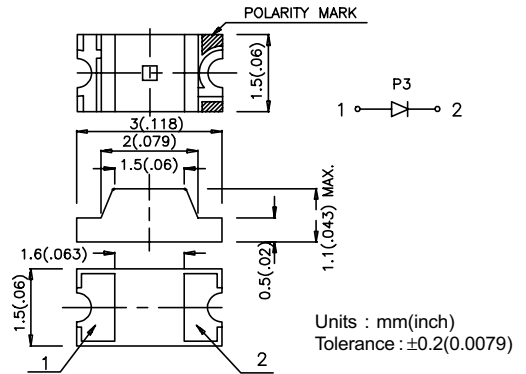
KP-2012P3 2.0mm x 1.2mm x1.1mm (0805)



KP-3216P3 3.2mm x 1.6mm x1.1mm (1206)



KP-3015P3 3.0mm x 1.5mm x1.1mm (1106)



KPA-3010P3 3.0mm x 1.0mm x2.0mm (1104)

