

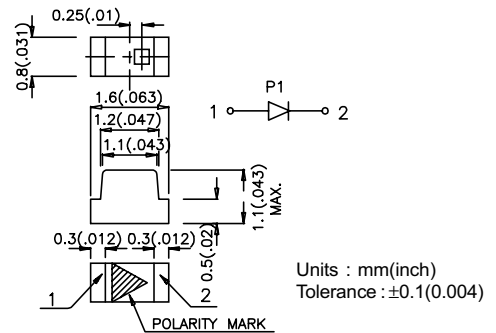
KM2520F3C03				KP-1608P1C		
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Part No.	Material	Wave-length (nm)	Lens Type	Po(mW/sr) @20mA *50mA		Viewing Angle 2θ1/2	Dimension
				Min.	Typ.		
KM2520F3C03	GaAs	940	water clear	2	6	30°	
				*10	*15	30°	
KM2520SF4C03	GaAlAs	880	water clear	2	4	30°	
				*3	*8	30°	

**1.6mm x 0.8mm x 1.1mm (0603) PHOTOTRANSISTORS**

KP-1608P1C WATER CLEAR LENS  
 KP-1608P1BT BLUE TRANSPARENT LENS

**KP-1608P1 1.6mm x 0.8mm x 1.1mm (0603)**



**ELECTRICAL AND RADIANT CHARACTERISTICS T<sub>A</sub>=25°C**

Symbol	Parameter	Min.	Typ.	Max	Unit	Test Condition
V <sub>BR CEO</sub>	Collector-to-Emitter Breakdown Voltage	30	-	-	V	I <sub>C</sub> =100uA, I <sub>B</sub> =0
V <sub>BR ECO</sub>	Emitter-to-Collector Breakdown Voltage	5	-	-	V	I <sub>E</sub> =100uA, I <sub>B</sub> =0
V <sub>CE(SAT)</sub>	Collector-to-Emitter Saturation Voltage	-	-	0.8	V	I <sub>C</sub> =0.1mA, H=2.5mW/cm <sup>2</sup>
I <sub>CEO</sub>	Collector Dark Current	-	-	100	nA	V <sub>CE</sub> =10V, H=0mW/cm <sup>2</sup>
T <sub>R</sub>	Rise Time (10% to 90%)	-	3	-	us	V <sub>CE</sub> =5V, I <sub>C</sub> =1mA, R <sub>L</sub> =100Ω
T <sub>F</sub>	Fall Time (90% to 10%)	-	3	-	us	
I <sub>(ON)</sub>	On State Collector Current	0.1	0.3	-	mA	V <sub>CE</sub> =5V, E <sub>e</sub> =1mW/cm <sup>2</sup> , λ=940nm

**ABSOLUTE MAXIMUM RATING T<sub>A</sub>=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

**NOTES :**

- All dimensions are in millimeters (inches)
- Tolerance is ±0.25mm(0.01") unless otherwise noted.