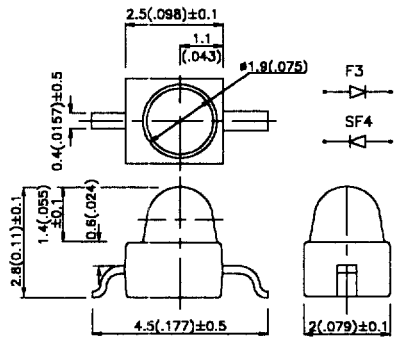
AM2520F3C03	AP1608P1C
	

Part No.	Material	Wave-length (nm)	Lens Type	Po(mW/sr) @20mA *50mA		Viewing Angle	Dimension
				Min.	Typ.	2θ1/2	
AM2520F3C03	GaAs	940	water clear	2	6	30°	2mm
				*10	*15	30°	
AM2520SF4C03	GaAlAs	880	water clear	2	4	30°	
				*3	*8	30°	

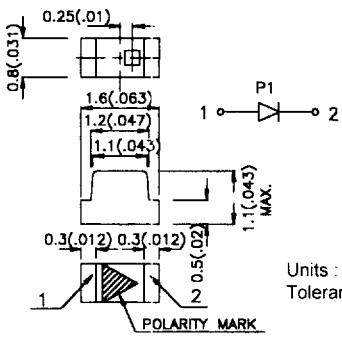


1.6mm x 0.8mm x 1.1mm (0603) PHOTOTRANSISTORS

AP1608P1C WATER CLEAR LENS

AP1608P1BT BLUE TRANSPARENT LENS

AP1608P1 1.6mm x 0.8mm x1.1mm (0603)



Units : mm(inch)
Tolerance : ±0.1(0.(04)

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/cm²
I_{CEO}	Collector Dark Current	-	-	100	nA	V_{CE}=10V, H=0mW/cm²
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/cm² λ=940nm

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

NOTES :
1. All dimensions are in millimeters (inches)
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.