Kingbright

Electrical And Radiant Characteristics at T_A=25ºC

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Condiction
$V_{BR\ CEO}$	Collector-to-Emitter Breakdown Voltage	30	-	-	V	I_C=100uA, E_e=0mW/cm^2
$V_{BR\ ECO}$	Emitter-to-Collector Breakdown Voltage	5	-	-	V	I_E=100uA, E_e=0mW/cm^2
$V_{CE\ (SAT)}$	Collector-to-Emitter Saturation Voltage	-	-	0.8	V	I_C=2mA, E_e=20mW/cm^2
I_{CEO}	Collector Dark Current	-	-	100	nA	V_{CE}=10V, E_e=0mW/cm^2
T_R	Rise Time (10% to 90%)	-	3	-	us	V_{CE}=5V, I_C=1mA, R_L=1000Ω
T_F	Fall Time (90% to 10%)	-	3	-	us	
$I_{(ON)}$	On State Collector Current	0.1	0.3	-	mA	V=5V, Ee=1mW/cm^2, λ=940nm

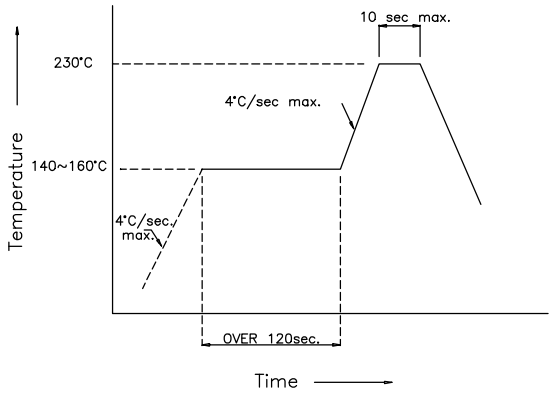
Absolute Maximum Rating at T_A=25ºC

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

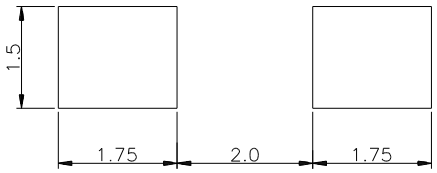
KP-3216P3BT

SMT Reflow Soldering Instructions

Number of reflow process shall be less than 2 times and cooling
process to normal temperature is required between first and second soldering process.



Recommended Soldering Pattern
(Units : mm)



Tape Specifications
(Units : mm)