

**2SC3063**  
Rev.E Mar.-2016

KF \$( ) - =                      E GE                      Silicon NPN transistor in a TO-126F Plastic Package.

#  
High  $V_{CEO}$

**/ Absolute Maximum Ratings(Ta=25 )**

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	300	V
Collector to Emitter Voltage	$V_{CEO}$	300	V
Emitter to Base Voltage	$V_{EBO}$	7.0	V
Collector Current - Continuous	$I_C$	100	mA
Collector Current – Continuous(Pulse)	$I_{CP}$	200	mA
Collector Power Dissipation	$P_C$	1.2	W
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

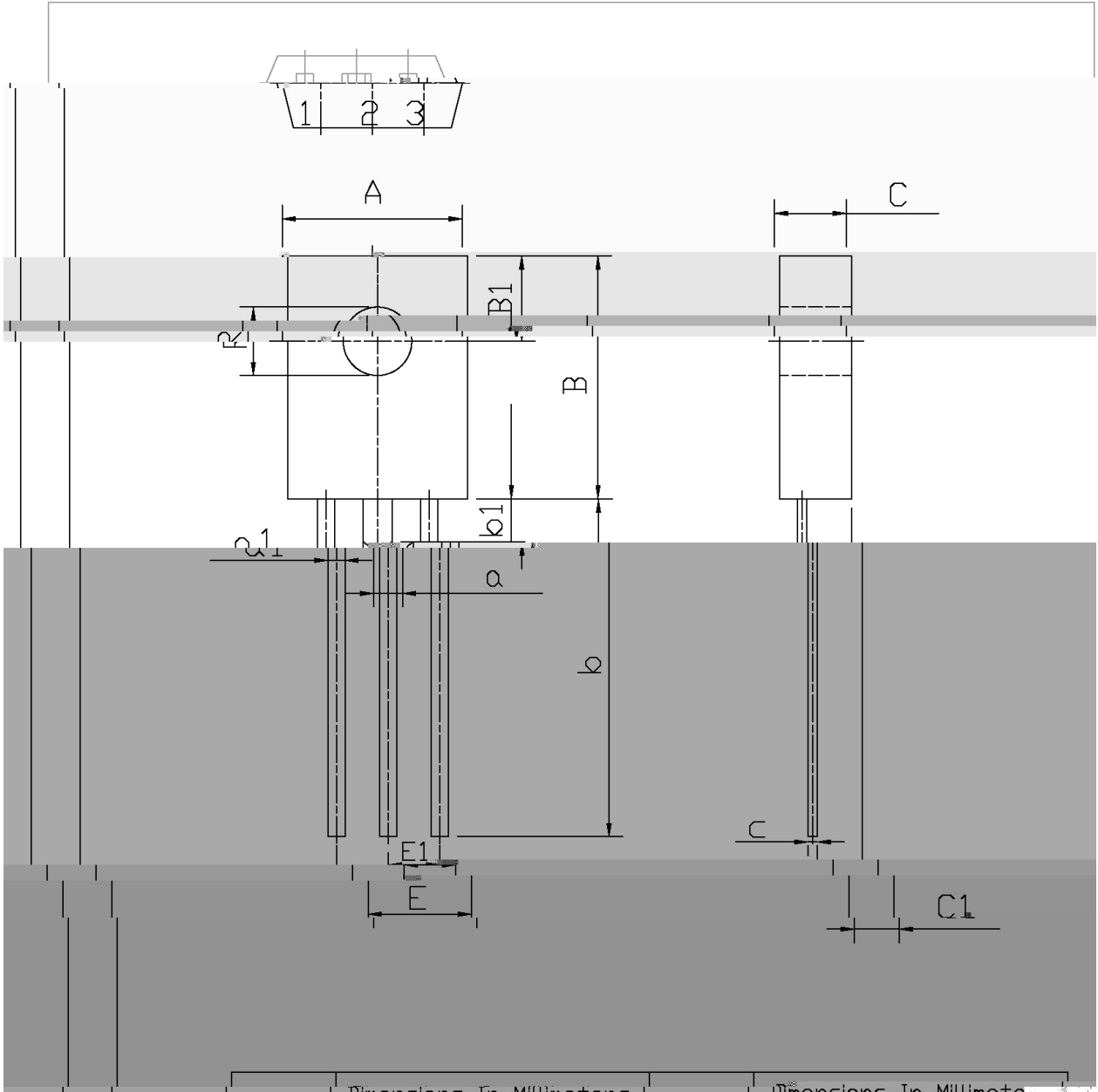
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	$V_{CBO}$	$I_C=10\mu A$ $I_E=0$	300			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C=0.1mA$ $I_B=0$	300			V
Emitter to Base Breakdown Voltage	$V_{EBO}$	$I_E=10\mu A$ $I_C=0$	7.0			V
DC Current Gain	$h_{FE}$	$V_{CE}=50V$ $I_C=5.0mA$	50		250	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=30mA$ $I_B=3.0mA$			1.5	V
Base to Emitter Voltage	$V_{BE}$	$V_{CE}=10V$ $I_C=30mA$			1.2	V
Transition Frequency	$f_T$	$V_{CB}=30V$ $I_C=20mA$	70	140		MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=30V$ $I_E=0$ $f=1.0MHz$		2.4		pF

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/ Package Dimensions

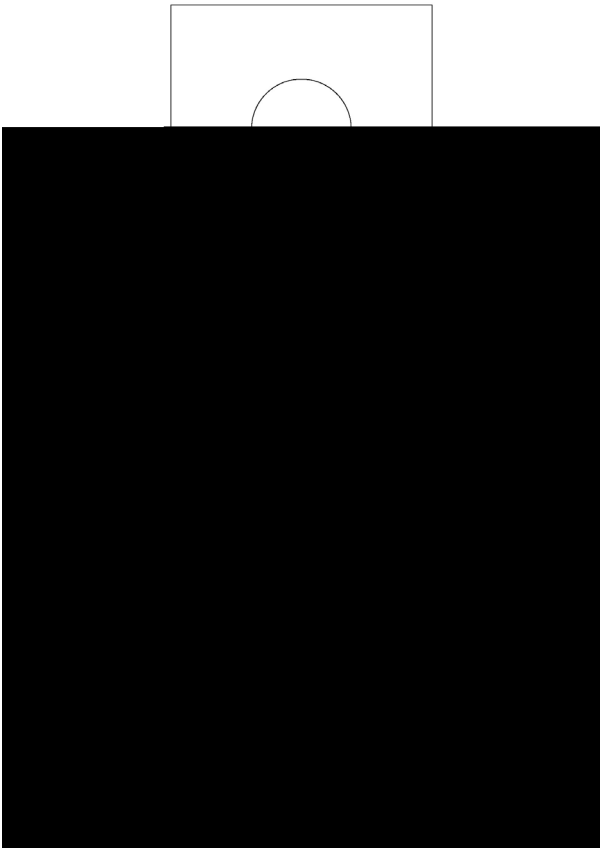
TU-126F

单位: mm



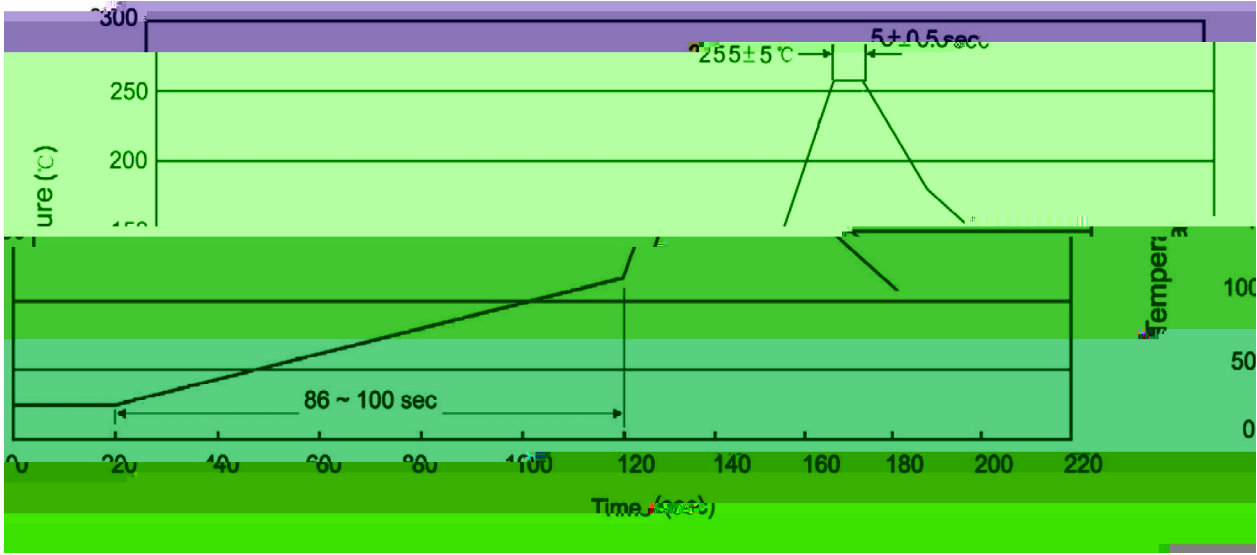
Symbol	Min	Max	Symbol	Min
A	7.8	8.2	a1	0.65
B	10.8	11.2	E	1.4

/ Marking Instructions



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Note:  
BR: . . . . . Company Code  
C3063: . . . . . Product Type.  
\*\*\*\*: . . . . . Lot No. Code, code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- |   |        |     |            |        |   |
|---|--------|-----|------------|--------|---|
| 1 | 25     | 150 | 60         | 90sec; | 1.Preheating:25~150 , Time:60~90sec.      |
| 2 | 255..5 |     | 5..0.5sec; |        | 2.Peak Temp.:255..5 , Duration:5..0.5sec. |
| 3 |        |     | 2-10 /sec  |        | 3. Cooling Speed: 2~10 /sec.              |

# P8358SPEC. (Cooling