2SC3478

Rev.E Mar.-2016

DATA SHEET

WR0<5 ṂṂꝈ QSQ ӕṀɥ s ǁ ˥ Silicon NPN transistor in a TO-92 Plastic Package.

ܟ ϶ я ı ώ̤ ᵶ ˦ ớ Ḅ/љ 5VD46:9 Ҋ ´
High breakdown voltage, good h_{FE} linearity, complementary to 2SA1376.

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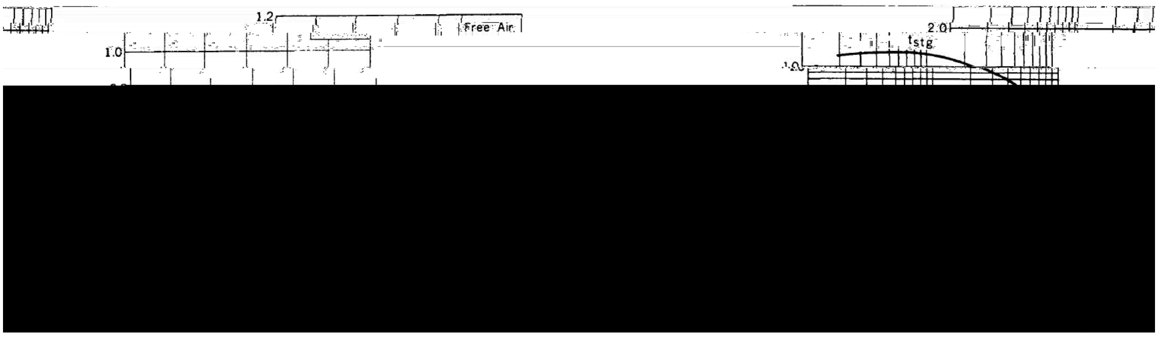
General purpose amplifier applications requiring high breakdown voltages.

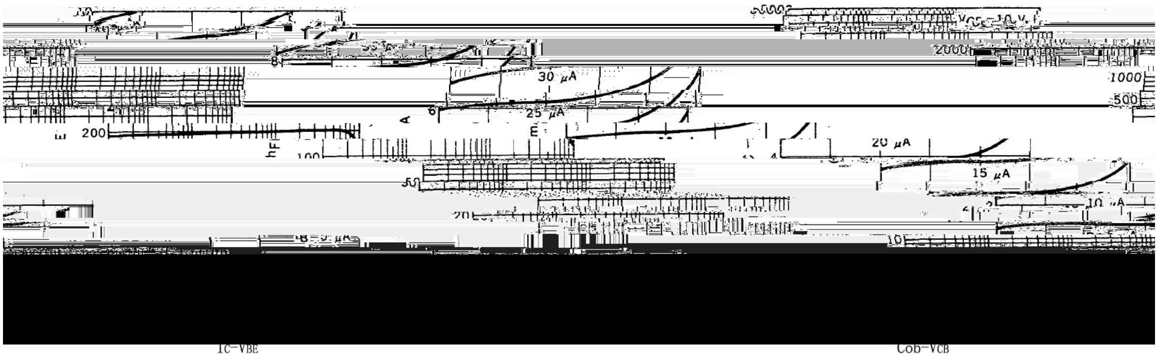
v ῼ Parameter	ɥ ᴺ Symbol	ῼ Ӫ Rating	ᴅ ɉ Unit
Collector to Base Voltage	V_{CBO}	200	V
Collector to Emitter Voltage	V_{CEO}	180	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	100	mA
Collector Current – Continuous(Pulse)	I_{CP}	200	mA
Base Current - Continuous	I_B	20	mA
Collector Power Dissipation	P_C	750	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T		

/ Electrical Characteristic Curve

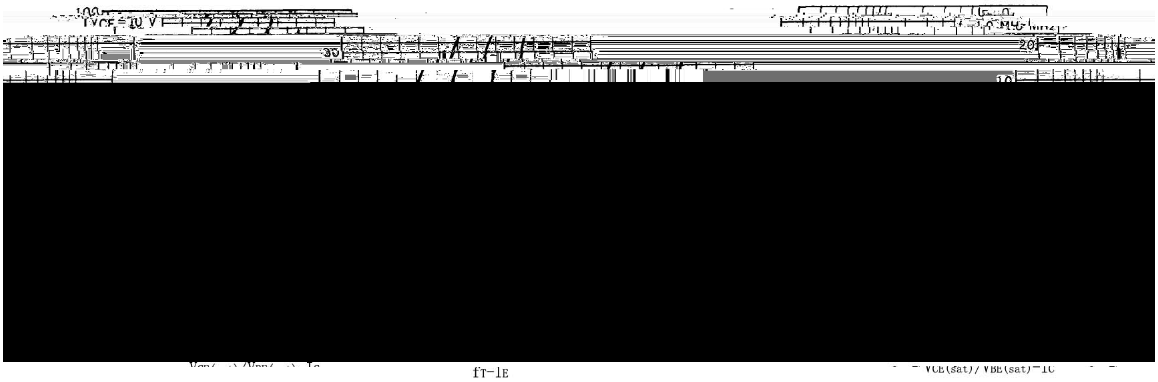
P_T-T_a $t-I_C$



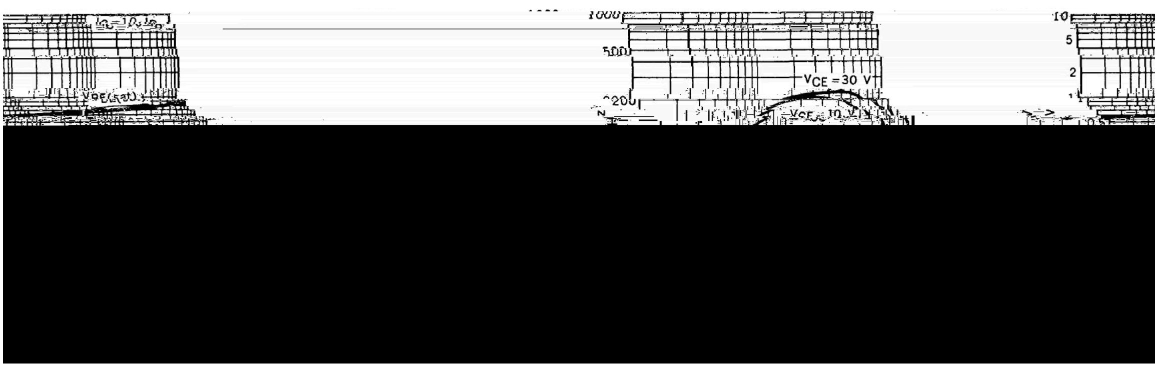
I_C-V_{CE} $h_{FE}-I_C$



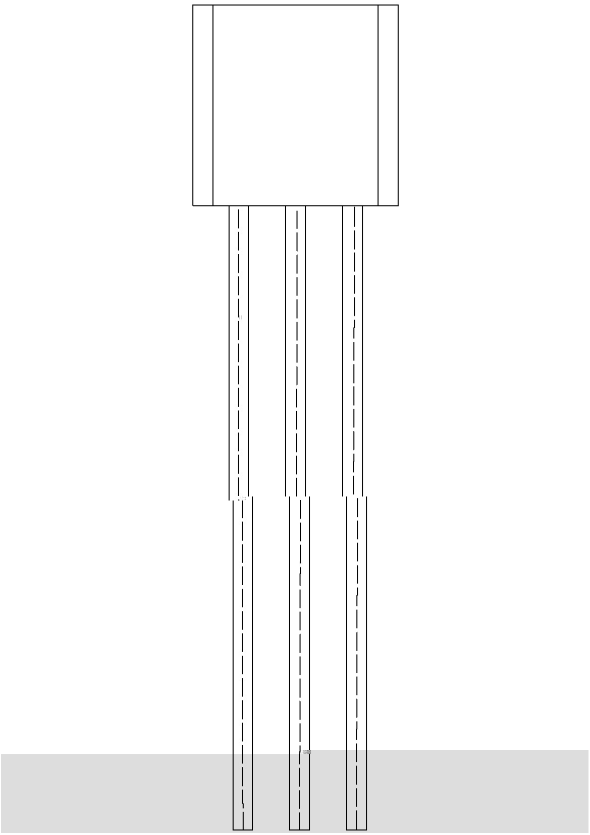
I_C-V_{BE} $C_{ob}-V_{CB}$



$V_{CE(sat)}/V_{BE(sat)}-I_C$ f_T-I_E $V_{CE(sat)}/V_{BE(sat)}-I_C$



/ Marking Instructions



ب ˝ χ

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Note:

BR: Company Code.

C3478: Product Type.

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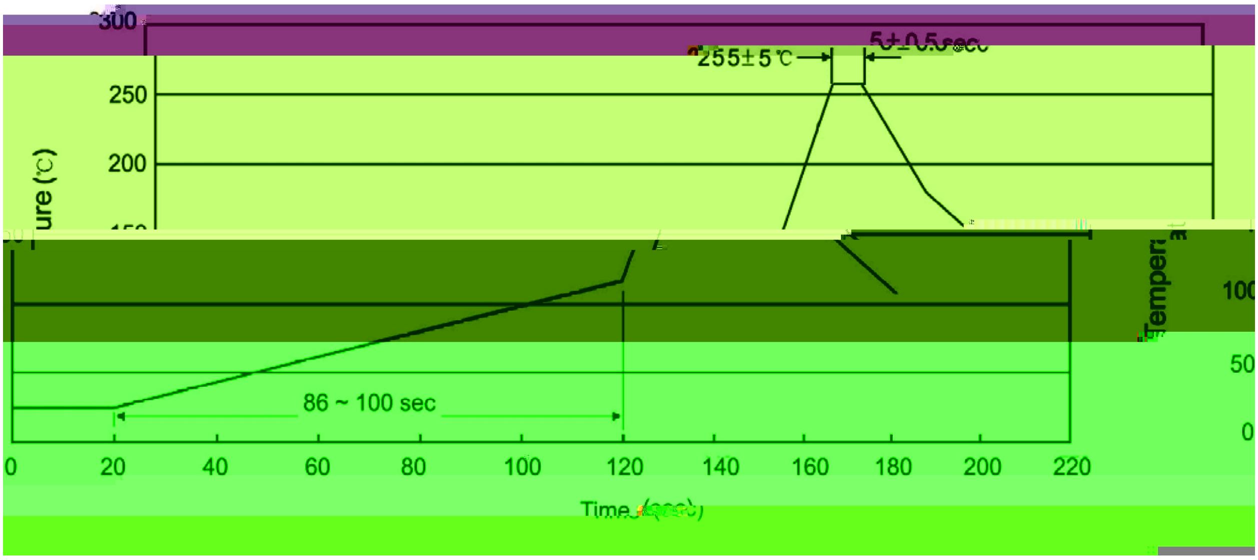
( ) / Temperature Profile for Dip Soldering(Pb-Free)



ب ˝ χ	Note:
1 ỉ ♬ □ ỷ 25 Ḱ 150 ƚ ı ̀H ڑ 60 Ḱ 90sec;	1.Preheating:25~150 ƚ , Time:60~90sec.
2 Ŝ Ӫ □ ỷ 255 ° 5 ƚ ı ̀H ڑ ̀Y ߉ 㗊 5 ° 0.5sec;	2.Peak Temp.:255 ° 5 ƚ , Duration:5 ° 0.5sec.
3 ỉ ˙ ٱ ˛ ɔ ഃ ỷ 㗊 2 Ḱ 10 ƚ /sec.	3. Cooling Speed: 2~10 ƚ /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ƚ	̀H ڑ χ 10 ° 1 sec.	Temp:270±5	Time:10±1 sec

/ Packaging SPEC.

̈Ω ҭ ү Ŀ / BULK

Package Type	Units	Dimension	(unit mm3)