MPS651

Rev.E Mar.-2016

DATA SHEET

/ Descriptions

WR0<5 ṂṂ Ь QSQ ÆṀ ч s ‖ ㄱ Silicon NPN transistor in a TO-92 Plastic Package.

/ Features

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Low Saturation Voltage.

/ Applications

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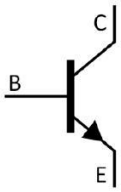
Voltage Regulator.

/ Equivalent Circuit



/ Pinning

PIN1 χ Collector PIN 2 χ Base PIN 3 χ Emitter

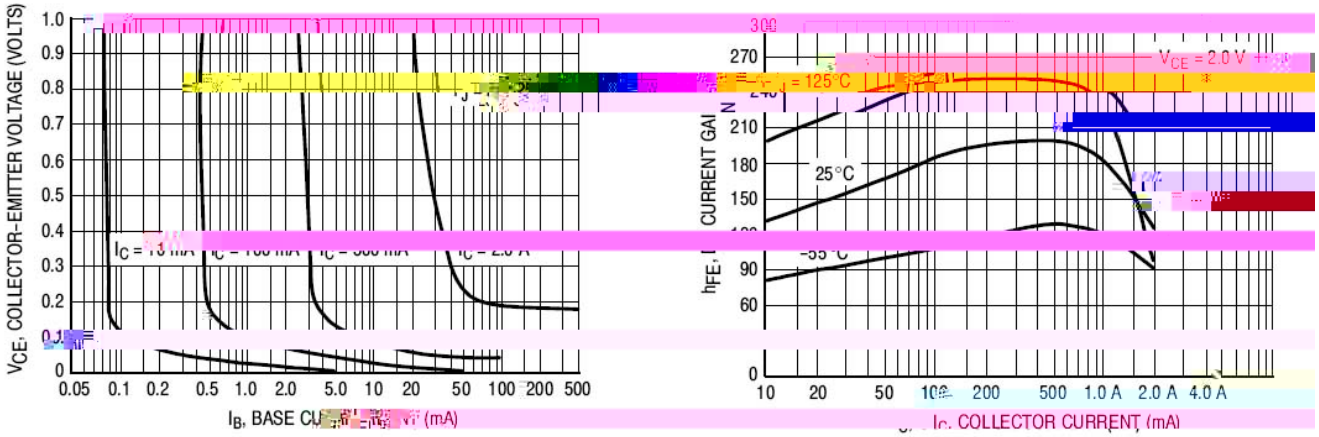
/ hFE Classifications & Marking

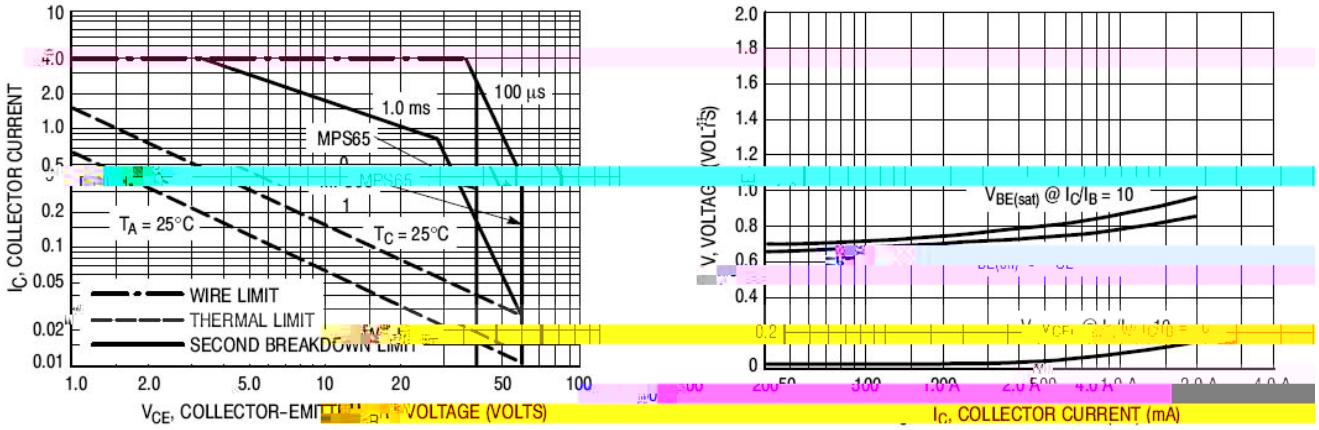
ð м ㄱ ب ˝ See Marking Instructions.

v ̈Ω Parameter	ϒ N Symbol	̈Ω Ö Rating	D Ч Unit
Collector to Base Voltage	V_{CBO}	80	V
Collector to Emitter Voltage	V_{CEO}	60	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	1.0	A
Collector Current – Continuous(Pulse)	I_{CP}	2.0	A
Collector Power Dissipation	P_C	625	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

v ̈Ω Parameter	ϒ N Symbol	Ш :ϯ Ţ Test Conditions	ѡ ṇ Ö Min	Ɛ ʒ Ö Typ	ѡ ᶻ Ö Max	D Ч Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=100μA I_E=0	80			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=10mA I_B=0	60			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=10μA I_C				

/ Electrical Characteristic Curve





/ Marking Instructions

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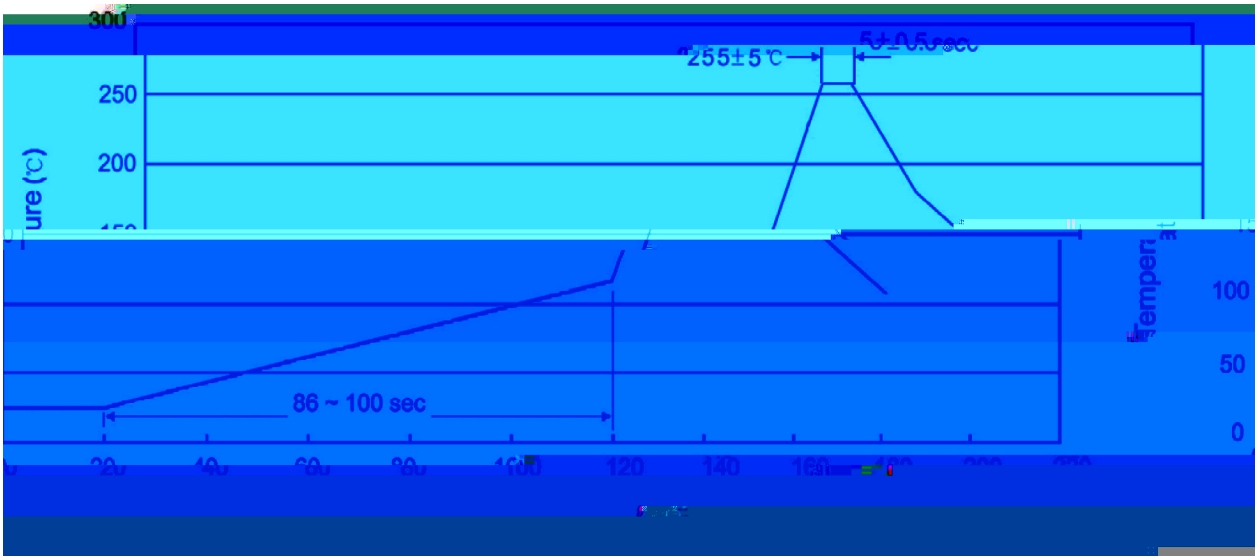
Note:

BR:	Company Code.
651:	Product Type.
****:	Lot No. Code,code change with Lot No.

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



Note: