/ Descriptions

WR0<50P ṂṂÞ QSQ ÆṀч s ‖ ㄱ Silicon NPN transistor in a TO-92LM Plastic Package.

/ Features

ت ᄀ я ∪ Ң/Â ю`Н ђ˜ /љ NWD45;4 Й ´

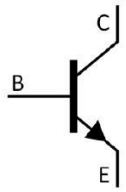
Low saturation voltage, high speed switching time, complementary to KTA1281.

/ Applications

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Power amplifier and switching applications.

/ Equivalent Circuit



/ Pinning



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

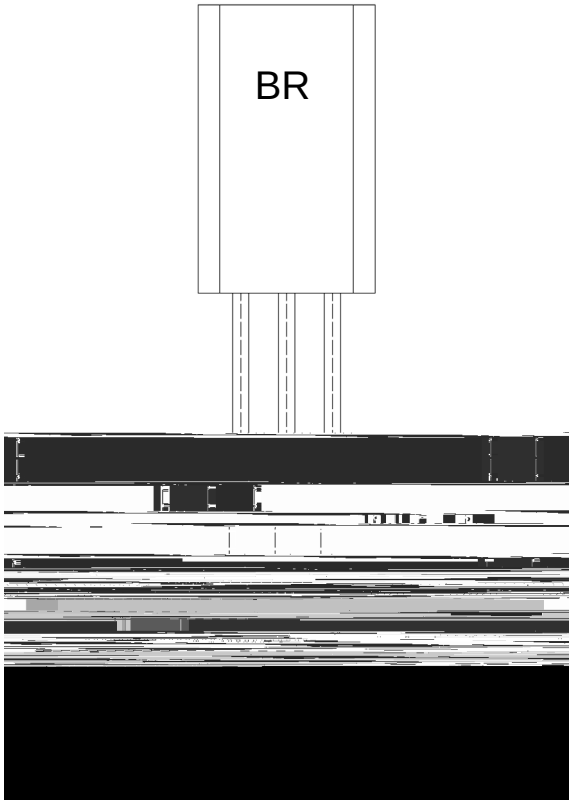
/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	O	Y
h_{FE} Range	70~140	120~240

v ‴Ω Parameter	ϒ N Symbol	‴Ω Ö Rating	D Ч Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	2.0	A
Emitter Current - Continuous	I_E	-2.0	A
Collector Power Dissipation	P_C	1	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	[illegible]	

/ Electrical Characteristic Curve

/ Marking Instructions

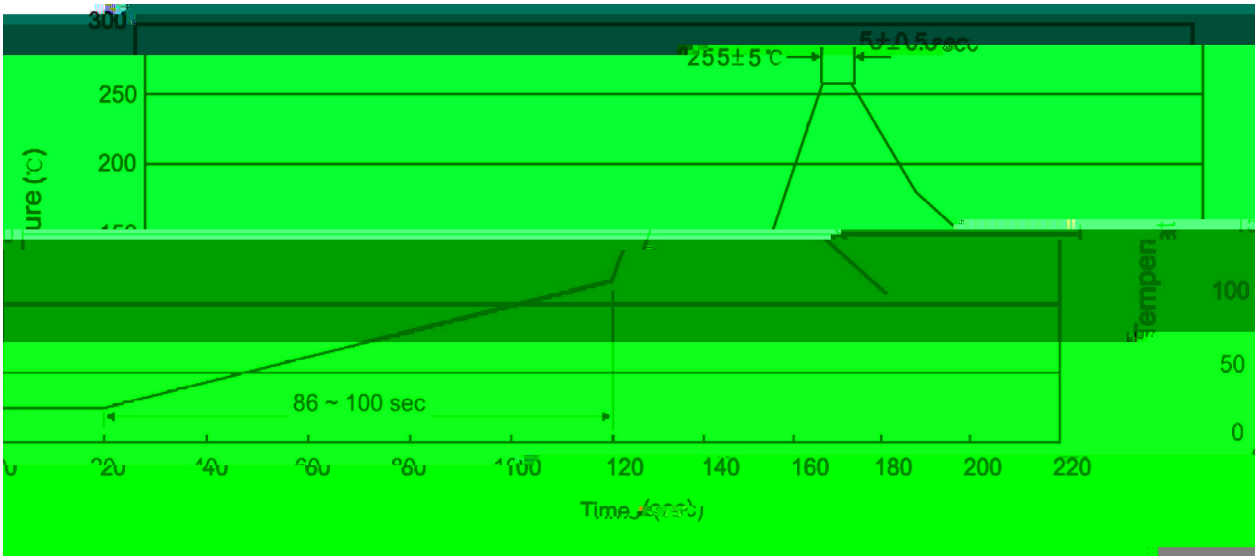


ب ˝ χ	
EU=	₩ ϶ И Ґђ
F653<=	₩ ʒ N Ґђ
R=	₩ k IH ‘ 6 Ґђ
---- χ	₩ ı ғ ń N Ґђ ı ₡ ı ғ ń N Ψ ק

Note:

BR:	Company Code.
C3209:	Product Type.
O:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.

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



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı ˙H ڑ 60 Ḱ 90sec;

2 Š Ë □ ỷ 255 ° 5 ł ı ˙H ڑ ˙Y ﾉ ㎞ 5 ° 0.5sec;

3 ì ˙ ﾘ ˛ ɔ ﻉ ỷ ㎞ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:25~150 ł , Time:60~90sec.

2.Peak Temp.:255 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ł ˙H ڑ χ 10 ° 1 sec. Temp.:270 ° 5 ł Time:10 ° 1 sec

/ Packaging SPEC.

¨Ω ţ ﾔ Ł / BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	只袋	袋盒	只盒	盒箱	只箱	袋	盒	箱

ﾉ Ⅴ ﾔ Ł / AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	只纸带	纸带盒	纸带层盒	盒箱	只箱	盒	箱
							小箱 大箱

/ Notices