

MMBTA42T

Rev.G Dec.-2025

/ Descriptions

JF K\$/O E GE Silicon NPN transistor in a SOT-89 Plastic Package.

/ Features

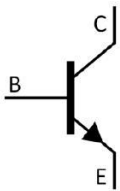
D D 9K80) K

High voltage, Low saturation voltage, low collector capacitance output, complementary pair with MMBTA92T, Halogen-free Product.

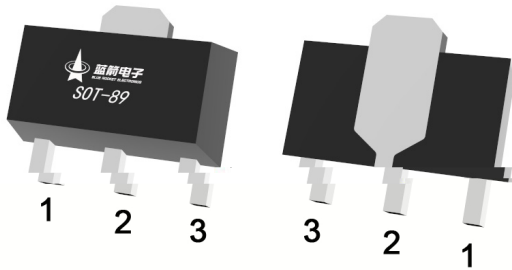
/ Applications

High voltage control circuit.

/ Equivalent Circuit



/ Pinning



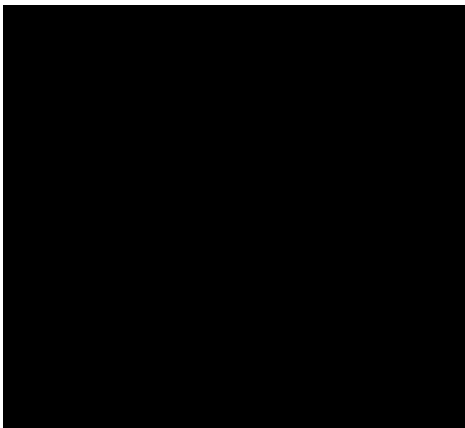
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ Marking

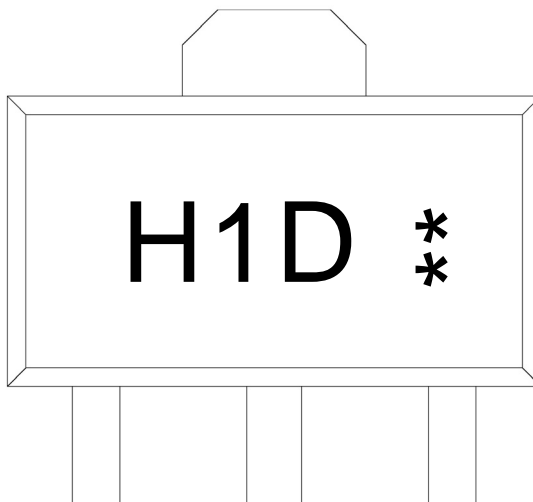
Marking	H1D*
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Parameter

/ Electrical Characteristic Curve



/ Marking Instructions



H

1D

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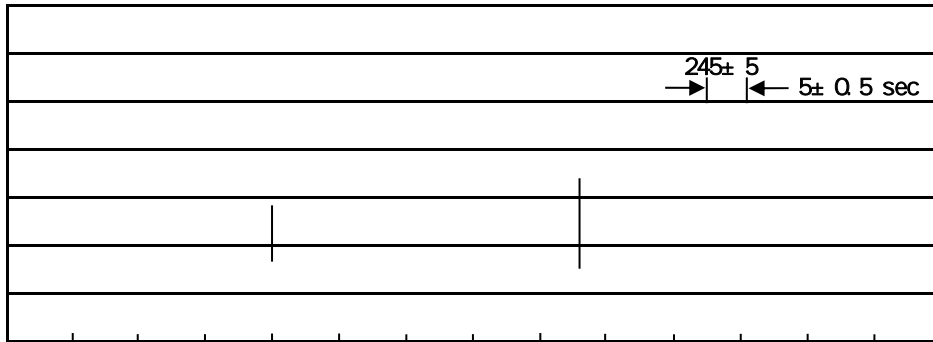
Note:

H: Company Code

1D: Product Type

** : Lot No. Code, code change with Lot No.

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | |
|---|---------|-----------|---|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | 2 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT-89	1,000	7	7,000	6	42,000	7 x12	180x120x180	390x385x205

/ Notices