2SC3807

Rev.E Mar.-2016

DATA SHEET

/ Descriptions

Silicon NPN transistor in a TO-126F Plastic Package.

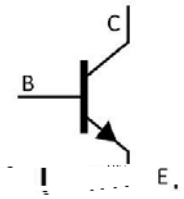
/ Features

Large current capacity, high DC current gain, Low collector-to-emitter saturation voltage High V_{EBO}.

/ Applications

low frequency general-purpose amplifiers, drivers.

/ Equivalent Circuit



/ Pinning



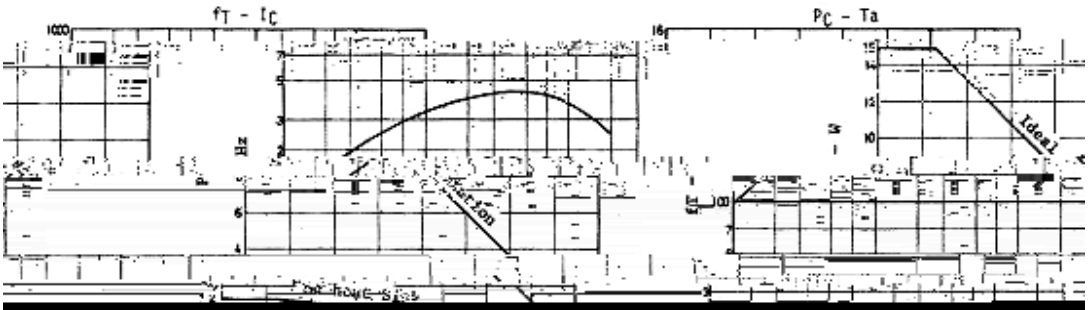
PIN1 Emitter PIN 2 Collector PIN 3 Base

/ h_{FE} Classifications & Marking

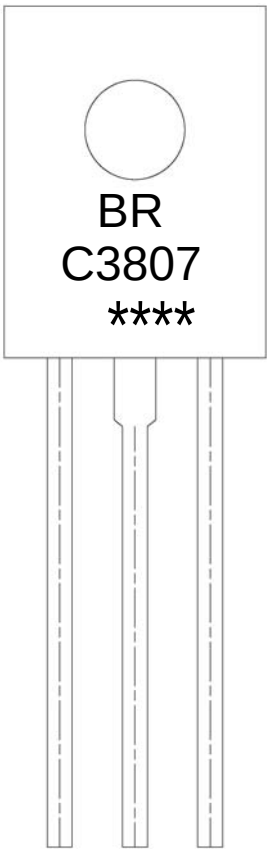
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	30	V
Collector to Emitter Voltage	V_{CEO}	25	V

/ Electrical Characteristic Curve



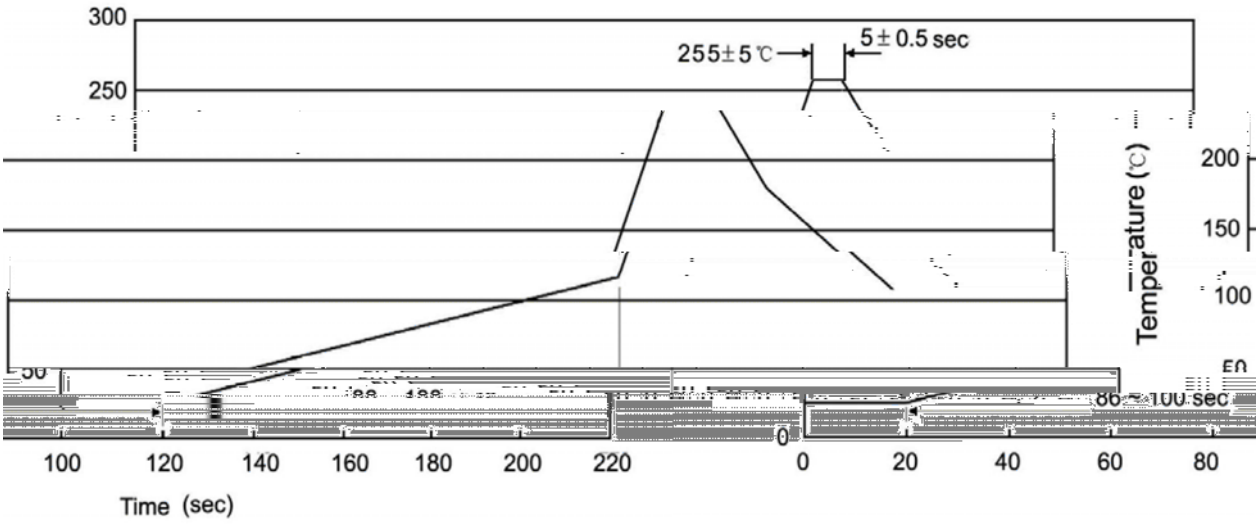
/ Marking Instructions



Note:

BR:	Company Code
C3807:	Product Type.
****:	Lot No. Code, code change with Lot No.

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



1	25	150		60	90sec;	Note: 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.	

/ Resistance to Soldering Heat Test Conditions

270	5	10	1 sec.	Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension		(unit mm^3)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-126/F	500	6	3,000	5	15,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension		(unit mm^3)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-126/F	65	26	1,690	5	8,450	532×31×5.6	555×164×50	575×290×180

/ Notices