Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

STMicroelectronics MJ802

For any questions, you can email us directly: sales@integrated-circuit.com





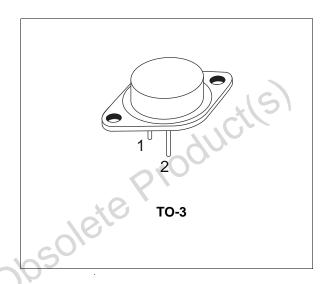
MJ802

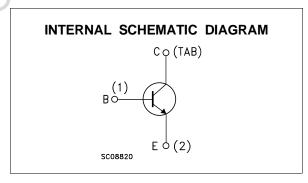
SILICON NPN POWER TRANSISTOR

 STMicroelectronics PREFERRED SALESTYPE

DESCRIPTION

The MJ802 is a silicon Epitaxial-Base power transistor mounted in Jedec TO-3 metal case. It is intended for general purpose power amplifier and switching applications.





ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Value	Unit
V _{CEO}	Collector-emitter Voltage (I _B = 0)	90	V
V_{CBO}	Collector-base Voltage (I _E = 0)	100	V
V _{EBO}	Emitter-Base Voltage (I _C = 0)	4	V
Ic	Collector Current	30	Α
I _B	Base Current	7.5	Α
P _{tot}	Total Dissipation at T _c ≤ 25 °C	200	W
T _{stg}	Storage Temperature	-65 to 200	°C
T _j	Max. Operating Junction Temperature	200	°C

October 2003 1/4

Distributor of STMicroelectronics: Excellent Integrated System Limited

Datasheet of MJ802 - TRANS NPN 90V 30A TO-3

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

MJ802

THERMAL DATA

R _{thj-case} Thermal Resistance Junction-case	Max	0.875	°C/W
--	-----	-------	------

ELECTRICAL CHARACTERISTICS ($T_{case} = 25$ $^{\circ}C$ unless otherwise specified)

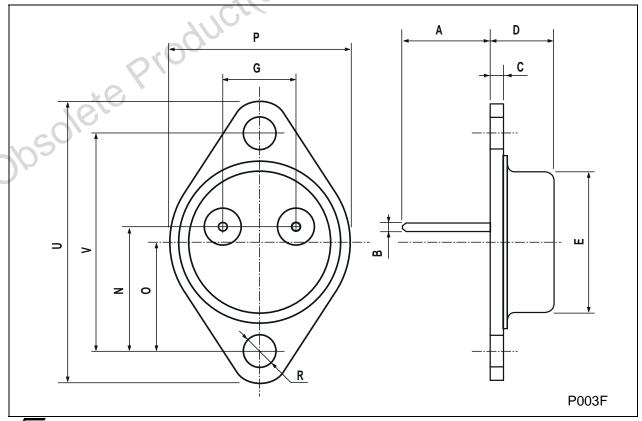
2/4

477

MJ802

TO-3 MECHANICAL DATA

DIM.	mm		inch			
	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.
А	11.00		13.10	0.433		0.516
В	0.97		1.15	0.038		0.045
С	1.50		1.65	0.059		0.065
D	8.32		8.92	0.327		0.351
E	19.00		20.00	0.748	41)	0.787
G	10.70		11.10	0.421	2100V	0.437
N	16.50		17.20	0.649		0.677
Р	25.00		26.00	0.984		1.023
R	4.00		4.09	0.157		0.161
U	38.50		39.30	1.515		1.547
V	30.00	16	30.30	1.187		1.193



3/



Distributor of STMicroelectronics: Excellent Integrated System Limited

Datasheet of MJ802 - TRANS NPN 90V 30A TO-3

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

MJ802

Obsolete Product(s). Obsolete Product(s)

Information furnished is believed to be accurate and reliable. However, STMicroelectronics assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of STMicroelectronics. Specification mentioned in this publication are subject to change without notice. This publication supersedes and replaces all information previously supplied. STMicroelectronics products are not authorized for use as critical components in life support devices or systems without express written approval of STMicroelectronics.

The ST logo is a trademark of STMicroelectronics.

All other names are the property of their respective owners.

© 2003 STMicroelectronics – All Rights reserved

STMicroelectronics GROUP OF COMPANIES

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States.

http://www.st.com

