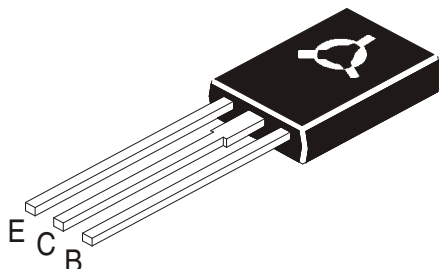


NPN EPITAXIAL SILICON POWER TRANSISTOR

MJE340

TO126

Plastic Package



For use in High Voltage General Purpose Applications

ABSOLUTE MAXIMUM RATINGS

DESCRIPTION	SYMBOL	VALUE	UNIT
Collector Emitter Voltage	V_{CEO}	300	V
Collector Base Voltage	V_{CBO}	300	V
Emitter Base Voltage	V_{EBO}	3.0	V
Collector Current Continuous	I_C	500	mA
Power Dissipation @ $T_a=25^\circ\text{C}$ Derate above 25°C	P_D	1.25 10	W mW/ $^\circ\text{C}$
Power Dissipation @ $T_c=25^\circ\text{C}$ Derate above 25°C	P_D	20 0.16	W W/ $^\circ\text{C}$
Operating And Storage Junction Temperature Range	T_j, T_{stg}	- 65 to +150	$^\circ\text{C}$

THERMAL CHARACTERISTICS

Junction to Ambient in free air	$R_{th(j-a)}$	100	$^\circ\text{C/W}$
Junction to Case	$R_{th(j-c)}$	6.25	$^\circ\text{C/W}$

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

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Collector Emitter Sustaining Voltage	$*V_{CEO(sus)}$	$I_C=1\text{mA}, I_B=0$	300		V
Collector Cut Off Current	I_{CBO}	$V_{CB}=300\text{V}, I_E=0$		100	μA
Emitter Cut Off Current	I_{EBO}	$V_{EB}=3\text{V}, I_C=0$		100	μA
DC Current Gain	h_{FE}	$I_C=50\text{mA}, V_{CE}=10\text{V}$	30	240	

Technical drawing of a mechanical assembly, showing a top view and a side view. The top view shows a central circular component with a vertical slot, surrounded by a rectangular frame. Dimensions are labeled: A (width of the top frame), B (height of the top frame), C (width of the side frame), D (width of the side frame), E (width of the bottom frame), G (width of the bottom frame), L (height of the bottom frame), M (width of the side frame), N (height of the top frame), P (height of the side frame), and S (height of the bottom frame). The side view shows a vertical rectangular component with a central slot, surrounded by a rectangular frame. Dimensions are labeled: C (width of the top frame), D (width of the side frame), E (width of the bottom frame), G (width of the bottom frame), L (height of the bottom frame), M (width of the side frame), N (height of the top frame), P (height of the side frame), and S (height of the bottom frame).

DIM	MIN	MAX
A	7.4	7.8
B	10.5	10.8
C	2.4	2.7
D	0.7	0.9
E	2.25 TYP.	
F	0.49	0.75
G	4.5 TYP.	
L	15.7 TYP.	
M	1.27 TYP.	
N	3.75 TYP.	
P	3.0	3.2
S	2.5 TYP.	

A diagram of a 3-pin DIN connector. The connector is shown in perspective, with three pins extending from the front. The pins are labeled 1, 2, and 3 from left to right. The connector housing is black with a white circular logo on the top surface.

1. Emitter
2. Collector
3. Base

Technical drawing of a PVC pipe with a printed marking. The drawing includes a top view, a side view (SECTION AA), and a detail view of the end pin.

Top View Dimensions:

- Total width: 532.00 ±0.50
- Hole diameter: ø5.90 ±0.10 (2 NOS)
- Hole diameter: ø3.10 ±0.05 (2 NOS)
- Distance from center of hole to right edge: 71.00

SECTION AA Dimensions:

- Outer diameter: 33.00 ±0.20
- Inner diameter: 12.00 ±0.10
- Wall thickness: 1.30 ±0.10
- Fillet radius: R 0.50

Detail View Dimensions:

- Total width: 11.95 ±0.10
- Hole diameter: ø3.10 ±0.10
- Distance from center of hole to right edge: 7.60 ±0.10

Printing Area Dimensions:

- 6.5, 11.0, 6.0, 2, 9.0, 4, 20.0, 7.0, 3, 7.0, 3.5, 7.0, 6.0

Material and Marking:

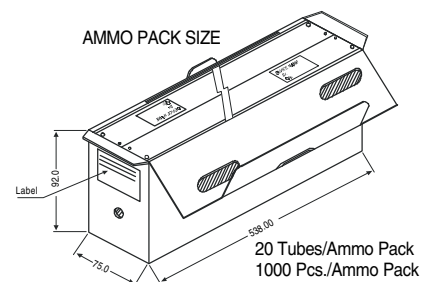
- Material: PVC 66382 ANTISTATICz
- End pin: PVC BLACK WITH ANTISTATIC DIPPING

General Tolerance Table:

GENERAL TOLERANCE					
0 mm	0.01 mm	30.01 mm	120.01 mm	ABOVE 315 mm	ANGULAR
5 mm	30 mm	120 mm	315 mm		
±0.1	±0.2	±0.3	±0.5	±0.8	±0° 30"

Notes:

- All print in black.
- All text in Helvetica medium font.



Packing Details

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/ Qty	Size	Qty	Size	Qty	Gr Wt
TO-126 Bulk	500 pcs/polybag	340 gm/500 pcs	3" x 7.5" x 7.5"	2K	17" x 15" x 13.5"	32K	31 kgs
TO-126 Tube	50 pcs/tube	73 gm/50 pcs	3" x 3.7" x 21.5"	1K	19" x 19" x 19"	10K	15 kgs

Disclaimer

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