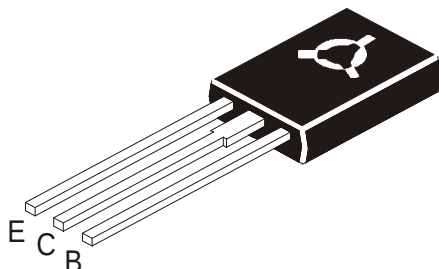


PNP EPITAXIAL SILICON POWER TRANSISTOR

MJE350

TO126

Plastic Package



Designed for use in Line-Operated Applications such as Low Power, Line-Operated Series Pass and Switching Regulators

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 side view and a cross-sectional view. The side view (left) shows a rectangular block of width A and height B . A circular feature is centered on the top face, with a diameter of N . The distance from the top face to the center of the circle is P . The block is supported by three vertical rods of diameter D and length L . The distance between the centers of the rods is E . The distance from the left face of the block to the center of the leftmost rod is S . The distance from the center of the leftmost rod to the center of the middle rod is G . The distance from the center of the middle rod to the center of the rightmost rod is G . The distance from the center of the rightmost rod to the right face of the block is G . The cross-sectional view (right) shows a rectangular block of width C and height B . The distance from the left face of the block to the center of the circle is F . The distance from the center of the circle to the right face of the block is M .

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.	

1. Emitter
2. Collector
3. Base

Technical drawing of a PVC label for CP 66382 Antistatic. The drawing includes a main front view, a side view (SECTION AA), a printing area diagram, and a general tolerance table.

Main View Dimensions:

- Overall width: 532.00 ±0.50
- Overall height: 100.00
- Top hole: ø5.90 THRU (2 NOS), ±0.10
- Bottom hole: ø5.90 THRU (2 NOS), ±0.10
- Distance from top edge to top hole center: 390.00 ±1.00
- Distance from top hole center to bottom hole center: 71.00 ±0.05
- Distance from bottom hole center to right edge: 71.00 ±0.05
- Marking side: MARKING SIDE

SECTION AA Dimensions:

- Overall width: 3.70 ±0.05
- Overall height: 33.00 ±0.20
- Top hole: ø3.10 THRU (2 NOS), ±0.05
- Distance from top edge to top hole center: 12.00 ±0.30
- Distance from top hole center to bottom hole center: 1.00 ±0.10
- Radius: R 0.50

Printing Area Dimensions:

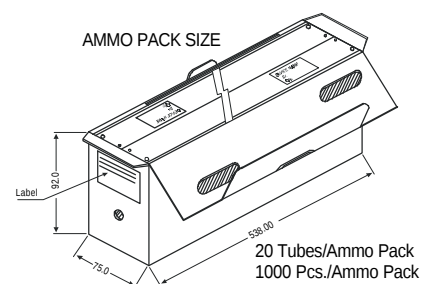
- Overall width: 10.0 ±1.0
- Overall height: 3.0 ±0.2
- Distance from top edge to top hole center: 3.0 ±0.2
- Distance from top hole center to bottom hole center: 3.0 ±0.2
- Distance from bottom hole center to right edge: 3.0 ±0.2

General Tolerance Table:

GENERAL TOLERANCE					
0 mm	0.01 mm	30.01 mm	120.01 mm	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 Detail

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 kas

Disclaimer

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