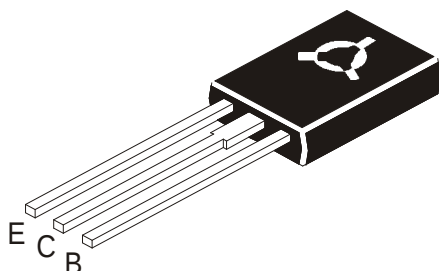


NPN EPITAXIAL SILICON POWER TRANSISTOR

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	$^\circ\text{C/W}$

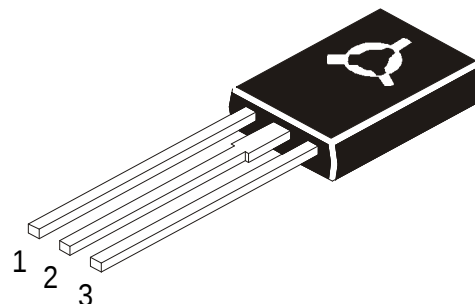
ELECTRICAL CHARACTERISTICS ($T_c=25^\circ\text{C}$ unless specified otherwise)

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 four radial arms, mounted on a rectangular base. Dimensions are indicated by arrows and labels: A (width of base), B (height of base), C (width of side view), D (width of base), E (width of base), F (width of side view), G (width of base), L (height of base), M (width of side view), N (height of base), P (height of base), S (height of base).

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.	

All dimensions in mm.



1. Emitter
2. Collector
3. Base

Technical drawing of a PVC label for CP 66382 Antistatic. The drawing includes a top view with dimensions (532.00, 390.00, 71.00, etc.), a side view (SECTION AA), a printing area diagram, and a general tolerance table. The label is for CP 66382 Antistatic PVC, with a DIN symbol and end pin details.

Top View Dimensions:

- Overall width: 532.00
- Overall height: 71.00
- Left hole diameter: ± 0.10 $\phi 5.90$ THRU (2 NOS)
- Right hole diameter: ± 0.05 $\phi 3.10$ THRU (2 NOS)
- Distance from left edge to first hole: 390.00
- Distance between holes: 71.00
- Distance from right edge to second hole: 71.00
- Marking side: MARKING SIDE

Side View (SECTION AA) Dimensions:

- Overall height: 33.00
- Top flange thickness: 1.30
- Bottom flange thickness: 1.20
- Internal width: 12.00
- Radius: R 0.50
- Marking side: MARKING SIDE

Printing Area Diagram:

- Overall width: 10.0
- Overall height: 3.0
- Printing area width: 3.0
- Printing area height: 3.0
- Arrow pointing left

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	$\pm 0' 30''$

Label Text:

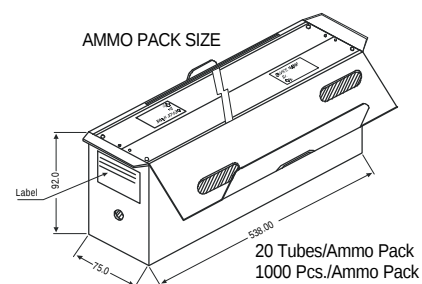
CP 66382 ANTISTATIC

End Pin Details:

- Overall width: 11.95
- Overall height: 3.35
- Radius: R2.5
- Marking side: MARKING SIDE
- Material: MATL: PVC BLACK WITH ANTISTATIC DIPPING
- End pin: END PIN (2 PCS/TUBE)

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 kas

Disclaimer

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