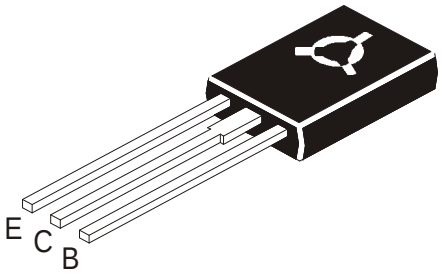
NPN EPITAXIAL SILICON POWER TRANSISTOR

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=25ºC Derate above 25ºC	P_D	1.25 10	W mW/ºC
Power Dissipation @ T_c=25ºC Derate above 25ºC	P_D	20 0.16	W W/ºC
Operating And Storage Junction Temperature Range	T_j, T_{stg}	- 65 to +150	ºC

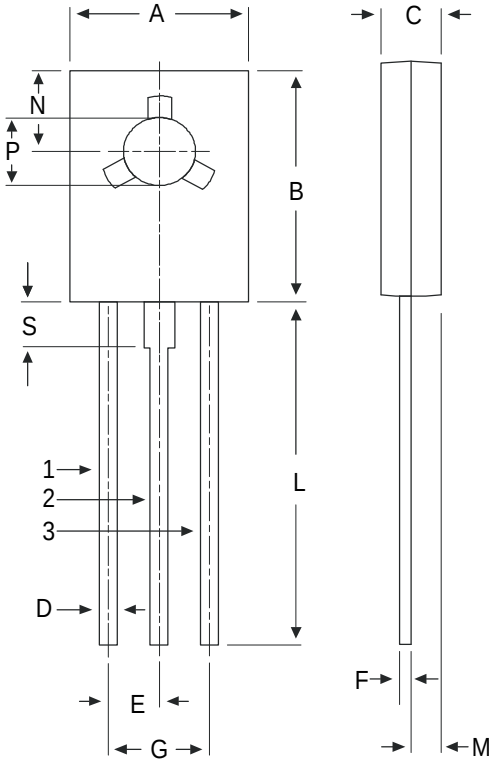
THERMAL CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS (T_c=25ºC unless specified otherwise)

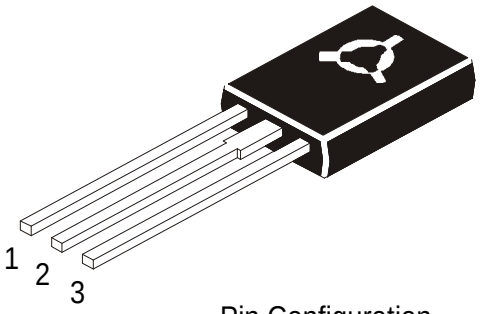
DESCRIPTION	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Collector Emitter Sustaining Voltage	$*V_{CEO\ (sus)}$	I_C=1mA, I_B=0	300		V
Collector Cut Off Current	I_{CBO}	V_{CB}=300V, I_E=0		100	µA
Emitter Cut Off Current	I_{EBO}	V_{EB}=3V, I_C=0		100	µA
DC Current Gain	h_{FE}	I_C=50mA, V_{CE}=10V	30	240	

TO-126 (SOT-32) Plastic Package



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.	

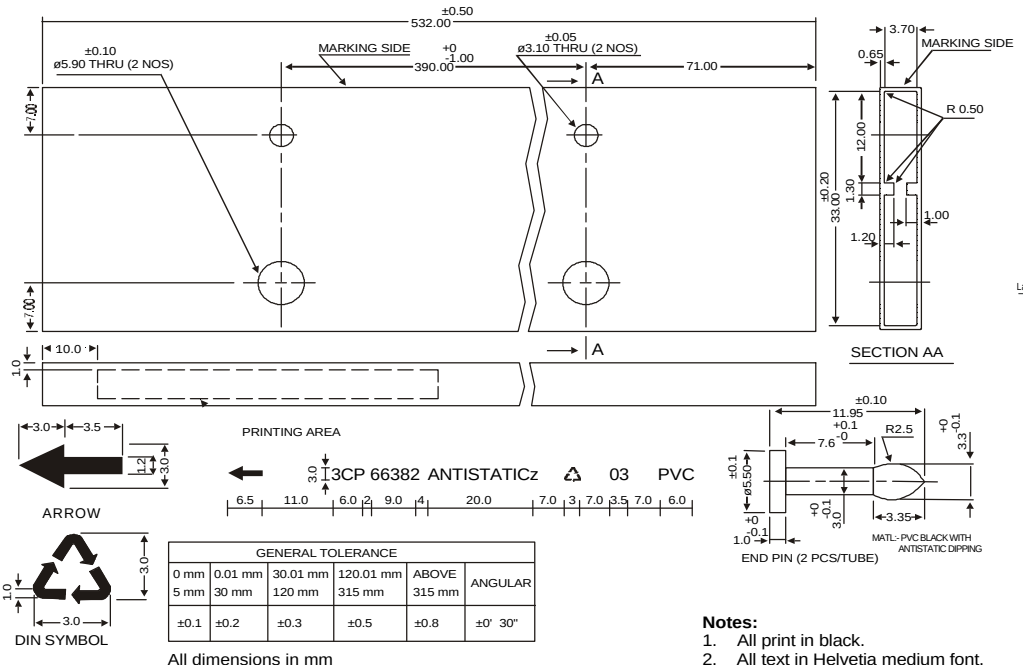
All dimensions in mm.



Pin Configuration

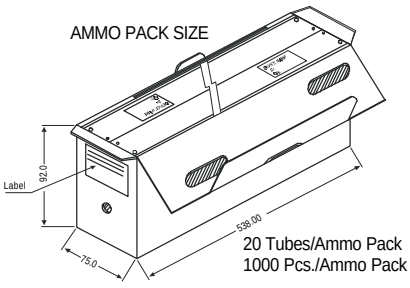
1. Emitter
2. Collector
3. Base

TO-126 TUBE PACKING



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

All dimensions in mm



20 Tubes/Ammo Pack
1000 Pcs./Ammo Pack

Notes:
1. All print in black.
2. All text in Helvetia 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

TO126
Plastic Package

Disclaimer

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