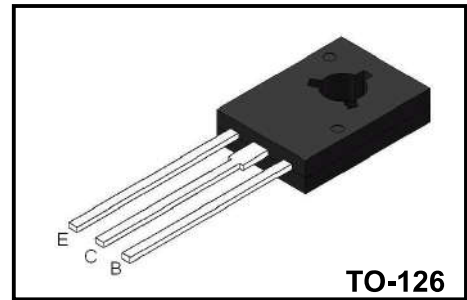


PNP Plastic-Encapsulate Transistors

High Voltage General Purpose Applications

- ◆ High Collector-Emitter Breakdown Voltage
- ◆ Suitable for Transformer
- ◆ Complement to MJE340G



Marking Code	
MJE350G	YFW MJE350G

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Collector-base voltage	BV_{CBO}	-300	V
Collector-emitter voltage	BV_{CEO}	-300	V
Emitter-base voltage	BV_{EBO}	-5	V
Collector current	I_C	-500	mA
Collector power dissipation (T _C =25°C)	P_C	20	W
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55~150	°C

Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	BV_{CBO}	$I_C = -100\mu A, I_E = 0$	-300			V
Collector-emitter breakdown voltage	BV_{CEO}	$I_C = -1mA, I_B = 0$	-300			V
Emitter-base breakdown voltage	BV_{EBO}	$I_E = -100\mu A, I_C = 0$	-5			V
Collector cut-off current	I_{CBO}	$V_{CB} = -3.0V, I_E = 0$			-100	μA
Emitter cut-off current	I_{EBO}	$V_{EB} = 5V, I_C = 0$			-100	μA
DC current gain	h_{FE}	$V_{CE} = -10V, I_C = -50mA$	30		240	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -20mA, I_B = -2mA$			-0.5	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -20mA, I_B = -2mA$			-0.9	V

Typical Characteristics

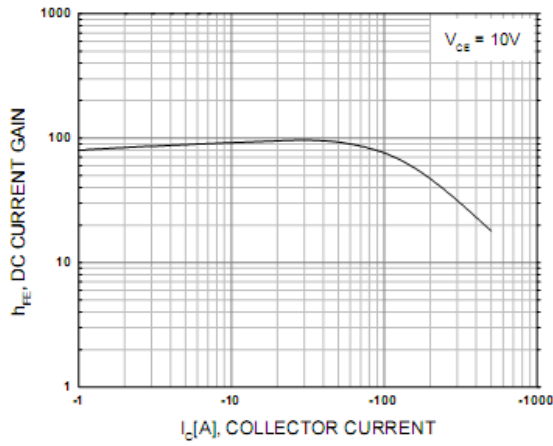


Figure 1. DC current Gain

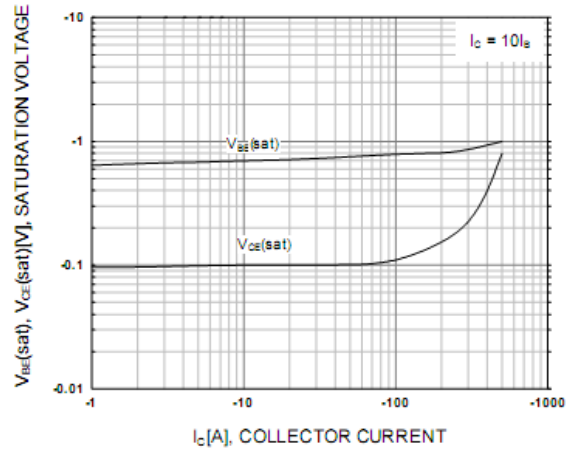


Figure 2. Base-Emitter Voltage
Collector-Emitter Saturation Voltage

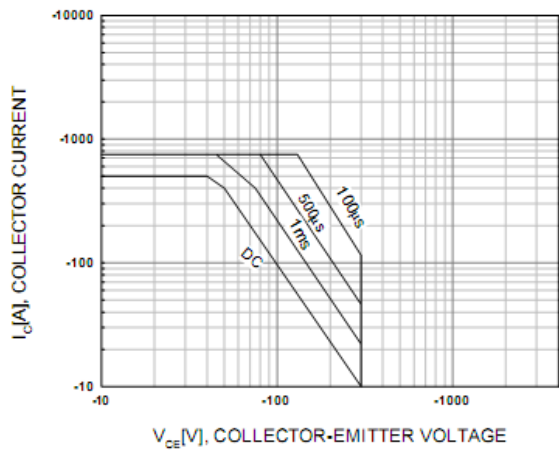
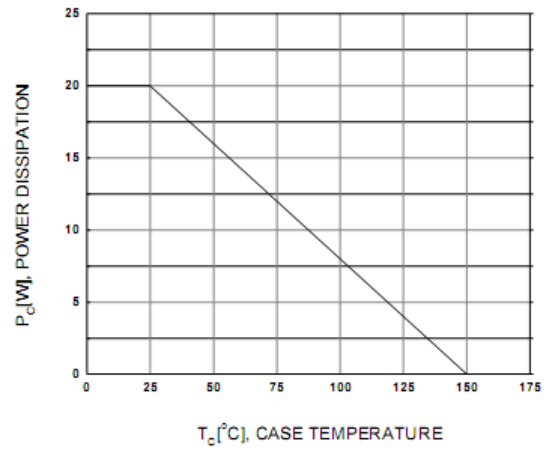


Figure 3. Safe Operating Area



4. Power Derating

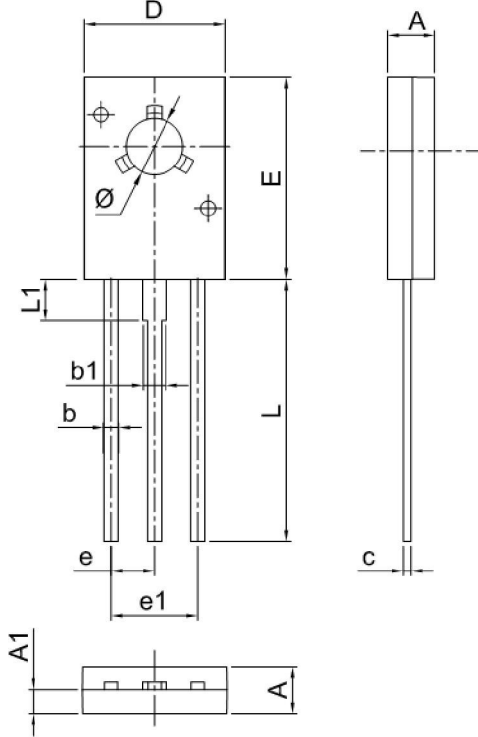
Ordering information

Package	Packing Description	Base Quantity
TO-126	Bulk	500pcs/Bag

Package Dimensions

TO-126

Symbol	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	2.40	2.80	0.094	0.110
A1	1.00	1.40	0.039	0.055
b	0.66	0.86	0.026	0.034
b1	1.17	1.37	0.046	0.054
c	0.40	0.60	0.016	0.024
D	7.30	7.70	0.287	0.303
E	10.60	11.00	0.417	0.433
e	2.25	2.33	0.089	0.092
e1	4.50	4.66	0.177	0.183
L	14.00	15.00	0.551	0.591
L1	1.90	2.50	0.075	0.098
Φ	3.10	3.30	0.122	0.130



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