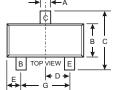
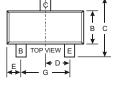


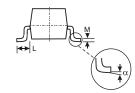
PNP SILICON GENERAL PURPOSE TRANSISTOR

Features

- for switching and amplifier applications.
- NPN complement:S8050
- Pb-Free Package is available.
- Marking Code:2TY







SOT-23				
Dim	Min	Max		
Α	0.37	0.51		
В	1.20	1.40		
С	2.30 2.50			
D	0.89	1.03		
E	0.45	0.60		
G	1.78	2.05		
Н	2.80	3.00		
J	0.013 0.10			
K	0.903 1.10			
L	0.45	0.61		
М	0.085	0.180		
α	0°	8°		
All Dimensions in mm				

Maximum Ratings @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Collector Base Voltage	V _{CBO}	-40	٧
Collector Emitter Voltage	V _{CEO}	-25	٧
Emitter Base Voltage	V _{EBO}	-6	٧
Collector Current	I _C	-500	mA
Power Dissipation	P _{tot}	350	mW
Junction Temperature	Tj	150	°C
Storage Temperature Range	T _{Stg}	- 55 to + 150	°C

Electrical Characteristics @ T_A = 25°C unless otherwise specified

Parameter		Symbol	Min.	Тур.	Max.	Unit
DC Current Gain	at - V_{CE} = 1 V, - I_{C} = 100 mA	h _{FE}	120	-	400	-
	at -V _{CE} = 1 V, I_C = -500 mA	h _{FE}	40	-	-	-
Collector Base Cutoff Cur at -V _{CB} = 35 V	rent	-I _{CBO}	-	-	100	nA
Collector Base Breakdow at -I _C = 100 µ A	n Voltage	-V _{(BR)CBO}	40	-	-	V
Collector Emitter Breakdo at -I _C = 1 mA	wn Voltage	-V _{(BR)CEO}	25	-	-	V
Emitter Base Breakdown Voltage at -I _E = 100 μ A		-V _{(BR)EBO}	6	-	-	V
Collector Emitter Saturation Voltage at -I _C = 500 mA, -I _B = 50 mA		-V _{CE(sat)}	-	-	0.5	V
Base Emitter Saturation Voltage at $-I_C = 500 \text{ mA}$, $-I_B = 50 \text{ mA}$		-V _{BE(sat)}	-	-	1.2	V
Gain Bandwidth Product at $V_{CE} = 5 \text{ V}$, $I_C = -10 \text{ mA}$		f _T	-	100	-	MHz

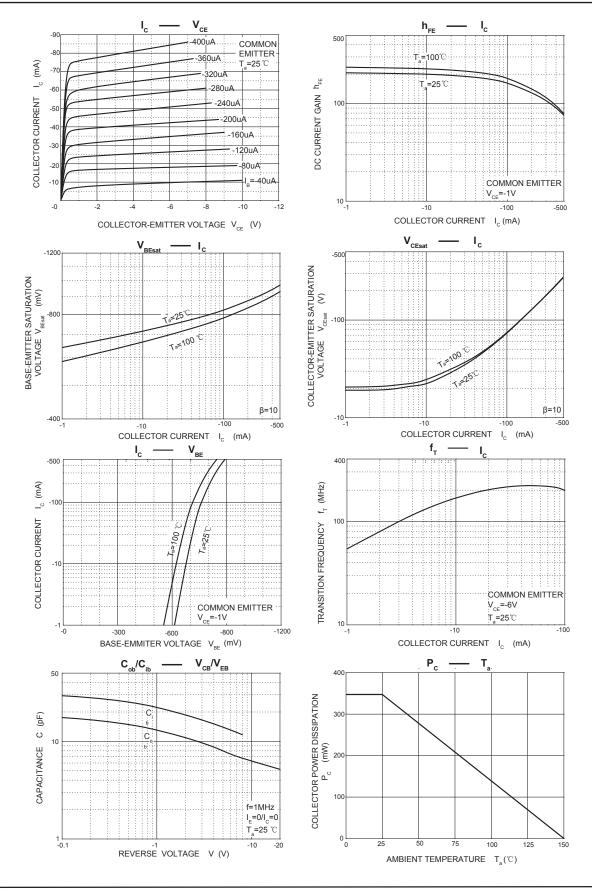
CLASSIFICATION OF hFE

Rank	L	Н	J
Range	120-200	200-350	300-400



PNP SILICON GENERAL PURPOSE TRANSISTOR

TYPICAL TRANSIENT CHARACTERISTICS





PNP SILICON GENERAL PURPOSE TRANSISTOR

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