

Silicon PNP Epitaxial Planar Transistor (Complement to type 2SC3284)

Application : Audio and General Purpose

Absolute maximum ratings (Ta=25°C)

Symbol	Ratings	Unit
Vcbo	-150	V
Vceo	-150	V
Vebo	-5	V
Ic	-14	A
Ib	-3	A
Pc	125(Tc=25°C)	W
Tj	150	°C
Tstg	-55 to +150	°C

Electrical Characteristics (Ta=25°C)

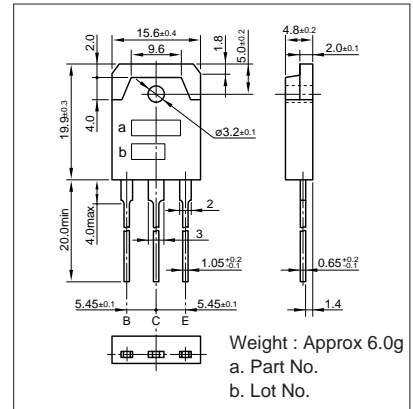
Symbol	Conditions	Ratings	Unit
Icbo	Vcb=-150V	-100max	μA
Iebo	Veb=-5V	-100max	μA
V(BR)CEO	Ic=-25mA	-150min	V
hFE	Vce=-4V, Ic=-5A	50min	
Vce(sat)	Ic=-5A, Ib=-0.5A	-2.0max	V
fr	Vce=-12V, Ie=2A	50typ	MHz
COB	Vcb=-10V, f=1MHz	400typ	pF

*hFE Rank \bar{O} (50to 100), P(70to 140), Y(90 to 180)

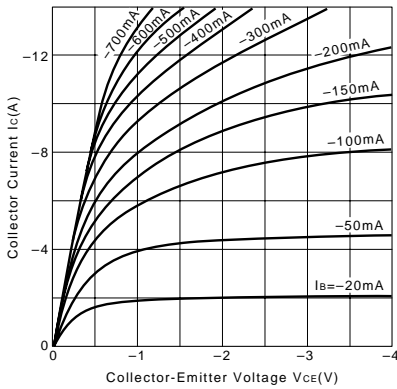
Typical Switching Characteristics (Common Emitter)

Vcc (V)	Rl (Ω)	Ic (A)	VBB1 (V)	VBB2 (V)	Ib1 (mA)	Ib2 (mA)	ton (μs)	tstg (μs)	tf (μs)
-60	12	-5	-10	5	-500	500	0.25typ	0.85typ	0.2typ

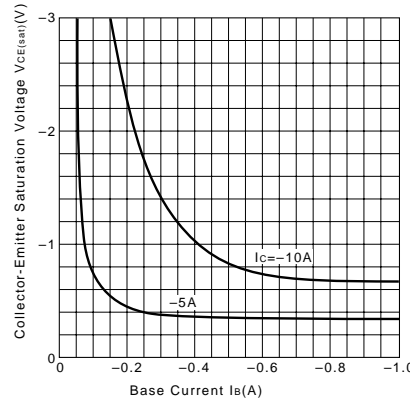
External Dimensions MT-100(TO3P)



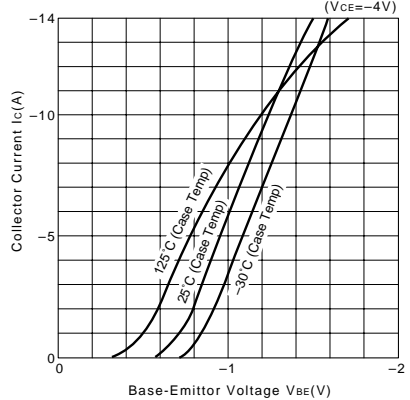
Ic-Vce Characteristics (Typical)



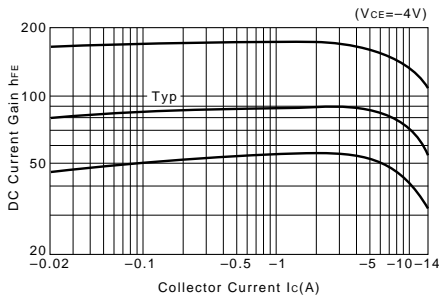
Vce(sat)-Ib Characteristics (Typical)



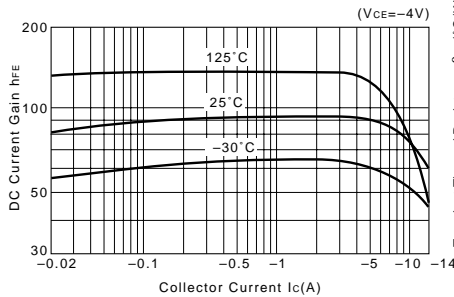
Ic-Vbe Temperature Characteristics (Typical)



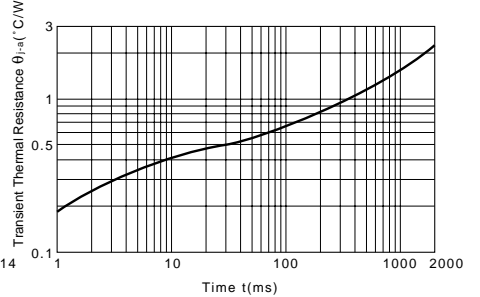
hFE-Ic Characteristics (Typical)



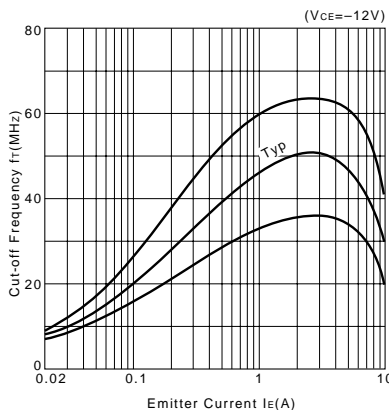
hFE-Ic Temperature Characteristics (Typical)



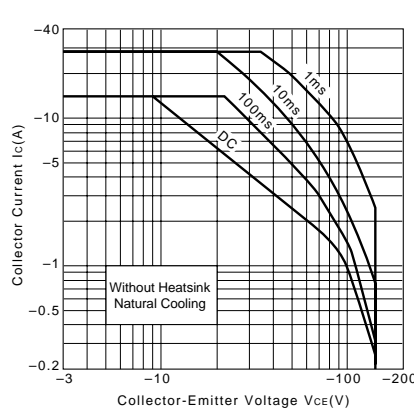
θj-a-t Characteristics



fT-Ie Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

