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LAPT

2SC3263

Silicon NPN Epitaxial Planar Transistor (Complement to type 2SA1294)

Application : Audio and General Purpose

Absolute maximum ratings (Ta=25°C)

Symbol	Ratings	Unit
VcBO	230	V
VcEO	230	V
VEBO	5	V
Ic	15	A
IB	4	A
Pc	130(Tc=25°C)	W
Tj	150	°C
Tstg	-55 to +150	°C

Electrical Characteristics (Ta=25°C)

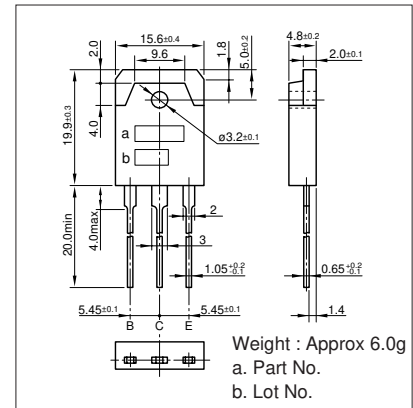
Symbol	Conditions	Ratings	Unit
IcBO	VcB=230V	100max	μA
IEBO	VEB=5V	100max	μA
V(BR)CEO	Ic=25mA	230min	V
hFE	VcE=4V, Ic=5A	50min*	
VCE(sat)	Ic=5A, IB=0.5A	2.0max	V
fr	VcE=12V, IE=-2A	60typ	MHz
COB	VcB=10V, f=1MHz	250typ	pF

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

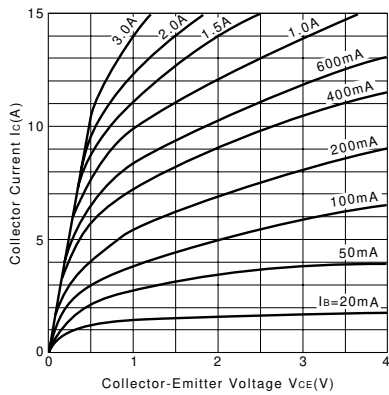
Typical Switching Characteristics (Common Emitter)

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	0.30typ	2.40typ	0.50typ

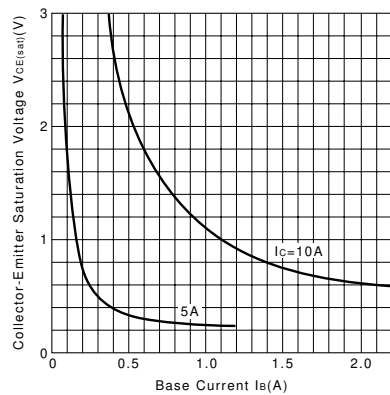
External Dimensions MT-100(TO3P)



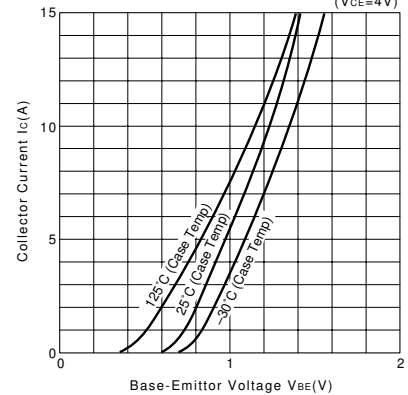
Ic-VcE Characteristics (Typical)



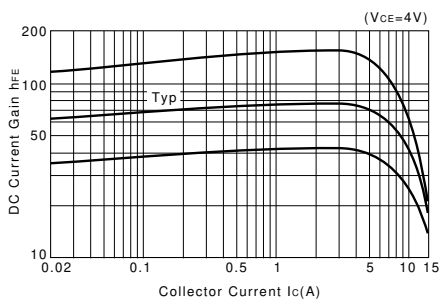
VcE(sat)-IB Characteristics (Typical)



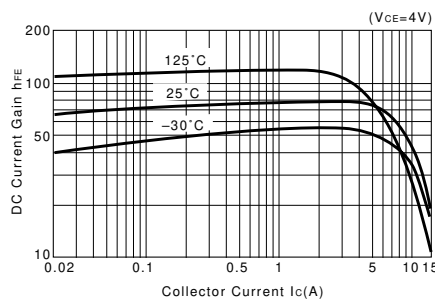
Ic-VBE Temperature Characteristics (Typical)



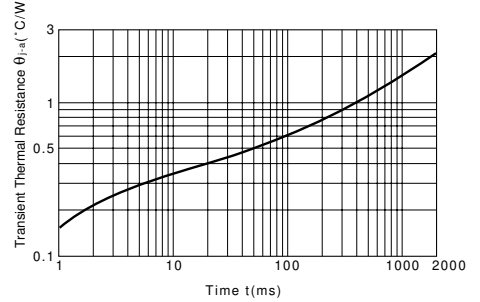
hFE-Ic Characteristics (Typical)



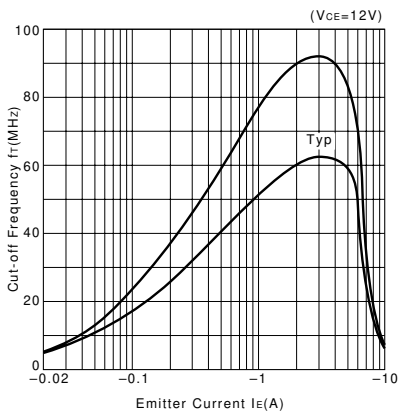
hFE-Ic Temperature Characteristics (Typical)



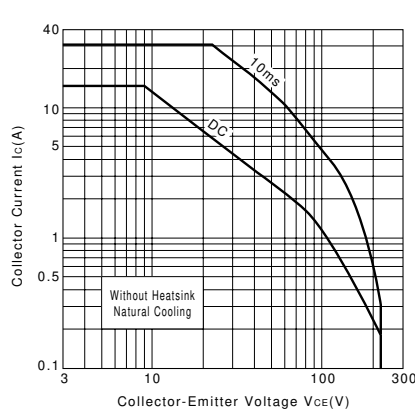
θj-a-t Characteristics



fr-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

