2SC3284 I APT

Silicon NPN Epitaxial Planar Transistor (Complement to type 2SA1303)

Application: Audio and General Purpose

Absolute	(Ta=25°C)			
Symbol	2SC3284	Unit		
Vсво	150	V		
VCEO	150	V		
VEBO	5	V		
Ic	14	А		
Ів	3	А		
D _C	12E/To 2E°C)	14/		

150

-55 to +150

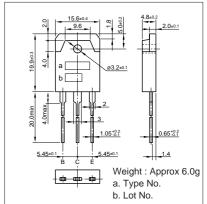
Τj

Tstg

Electrical C	haracteristics	(Ta=25°C)				
Symbol	Conditions	2SC3284	Unit			
Ісво	VcB=150V	100max	μΑ			
І ЕВО	VEB=5V	100max	μΑ			
V(BR)CEO	Ic=25mA	150min	V			
hfe	Vce=4V, Ic=5A	50min*				
Vce(sat)	Ic=5A, IB=0.5A	2.0max	V			
fт	Vce=12V, Ie=-2A	60typ	MHz			
Сов	VcB=10V, f=1MHz	200typ	pF			
*hfe Rank \overline{O} (50 to 100), P(70 to 140), Y(90 to 180)						

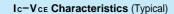
(Ta=25°C)

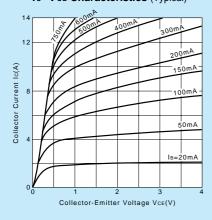
External Dimensions MT-100(TO3P)



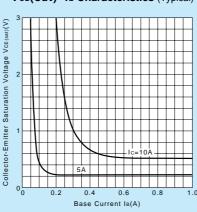
Typical Switching Characteristics (Common Emitter)

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	Vcc (V)	RL (Ω)	Ic (A)	V _{BB1} (V)	V _{BB2} (V)	IB1 (A)	IB2 (A)	ton (µs)	tstg (µs)	tf (µs)
	60	12	5	10	-5	0.5	-0.5	0.2typ	1.5typ	0.35typ

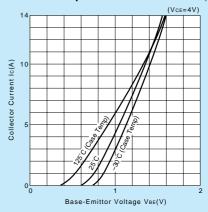




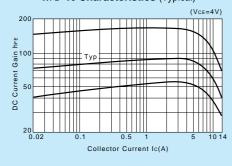
VcE(sat)-IB Characteristics (Typical)



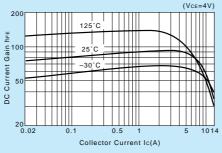
Ic-VBE Temperature Characteristics (Typical)

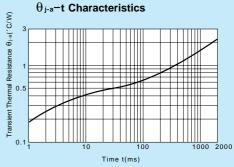


hfe-Ic Characteristics (Typical)

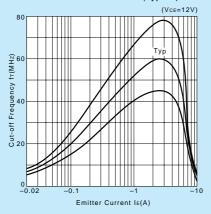


hfe-Ic Temperature Characteristics (Typical)

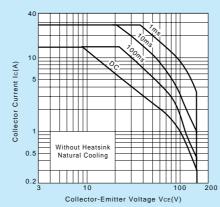




fT-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

