

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: 2SC3264
Manufacturer: Sanken Electric USA Inc.
Package: 3-ESIP
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/sanken-electric-usa-inc/2sc3264.html>

Request a Quote:

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

Silicon NPN Epitaxial Planar Transistor (Complement to type 2SA1295)

Application : Audio and General Purpose

■Absolute maximum ratings (Ta=25°C)

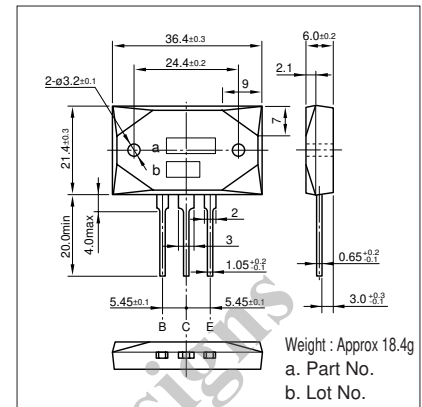
Symbol	Ratings	Unit
V _{CB0}	230	V
V _{CEO}	230	V
V _{EB0}	5	V
I _C	17	A
I _B	5	A
P _C	200(T _C =25°C)	W
T _J	150	°C
T _{stg}	-55 to +150	°C

■Electrical Characteristics (Ta=25°C)

Symbol	Conditions	Ratings	Unit
I _{CB0}	V _{CB} =230V	100max	μA
I _{EB0}	V _{EB} =5V	100max	μA
V _{(BR)CEO}	I _C =25mA	230min	V
h _{FE}	V _{CE} =4V, I _C =5A	50min*	
V _{CE(sat)}	I _C =5A, I _B =0.5A	2.0max	V
f _T	V _{CE} =12V, I _E =-2A	60typ	MHz
COB	V _{CB} =10V, f=1MHz	250typ	pF

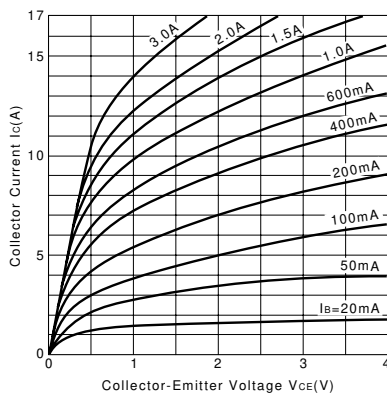
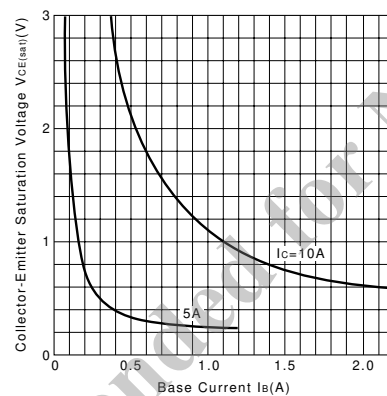
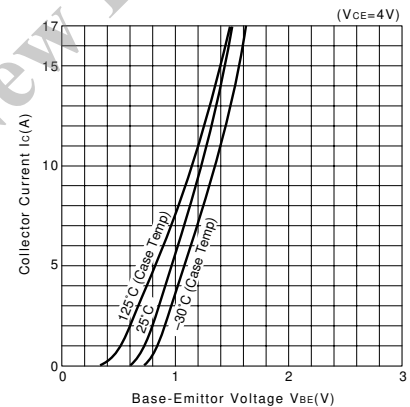
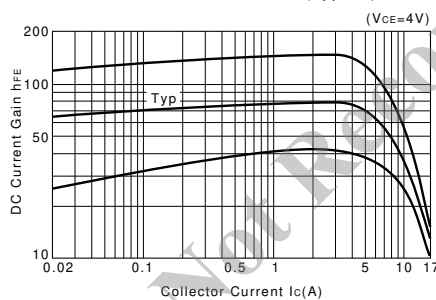
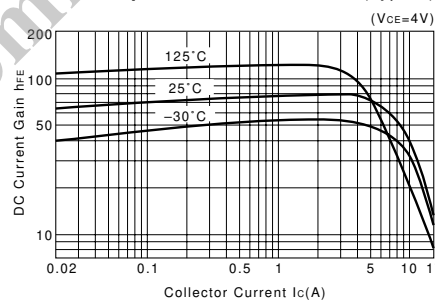
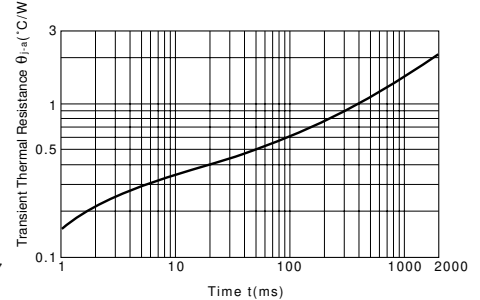
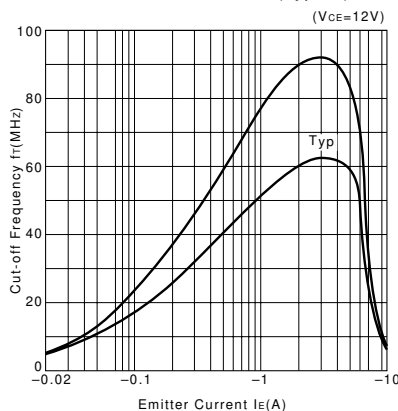
*h_{FE} Rank ○(50 to 100), Y(70 to 140)

External Dimensions MT-200

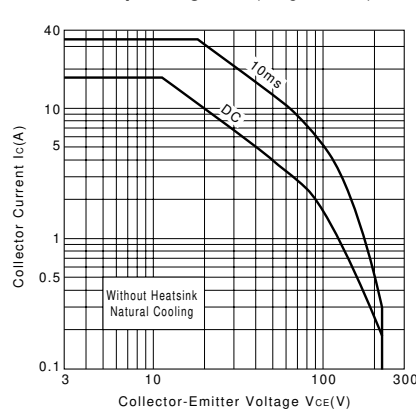


■Typical Switching Characteristics (Common Emitter)

V _{CC} (V)	R _L (Ω)	I _C (A)	V _{BB1} (V)	V _{BB2} (V)	I _{B1} (A)	I _{B2} (A)	t _{on} (μs)	t _{stg} (μs)	t _f (μs)
60	12	5	10	-5	0.5	-0.5	0.30typ	2.40typ	0.50typ

I_C-V_{CE} Characteristics (Typical)V_{CE(sat)}-I_B Characteristics (Typical)I_C-V_{BE} Temperature Characteristics (Typical)h_{FE}-I_C Characteristics (Typical)h_{FE}-I_C Temperature Characteristics (Typical)θ_{J-a}-t Characteristicsf_T-I_E Characteristics (Typical)

Safe Operating Area (Single Pulse)

P_C-T_a Derating