

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: 2SA1216

Manufacturer: Sanken Electric USA Inc.

Package: 3-ESIP

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/sanken-electric-usa-inc/2sa1216.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 PNP Epitaxial Planar Transistor (Complement to type 2SC2922)

Application : Audio and General Purpose

■ Absolute maximum ratings (Ta=25°C)

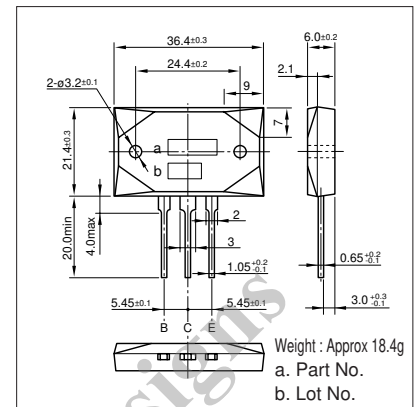
Symbol	Ratings	Unit
V _{CB0}	-180	V
V _{CE0}	-180	V
V _{EB0}	-5	V
I _C	-17	A
I _B	-5	A
P _C	200(T _C =25°C)	W
T _J	150	°C
T _{stg}	-55 to +150	°C

■ Electrical Characteristics (Ta=25°C)

Symbol	Conditions	Ratings	Unit
V _{CB0}	V _{CB} =-180V	-100max	μA
I _{EB0}	V _{EB} =-5V	-100max	μA
V _{(BR)CEO}	I _C =-25mA	-180min	V
h _{FE}	V _{CE} =-4V, I _C =-8A	30min*	
V _{CE(sat)}	I _C =-8A, I _B =-0.8A	-2.0max	V
f _T	V _{CE} =-12V, I _E =2A	40typ	MHz
COB	V _{CB} =-10V, f=1MHz	500typ	pF

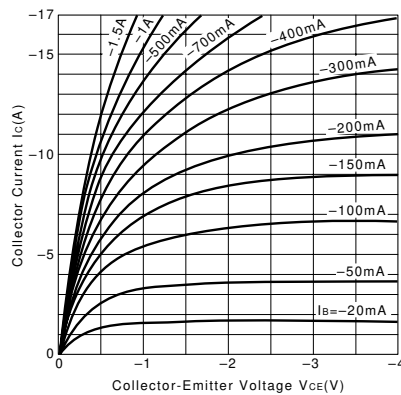
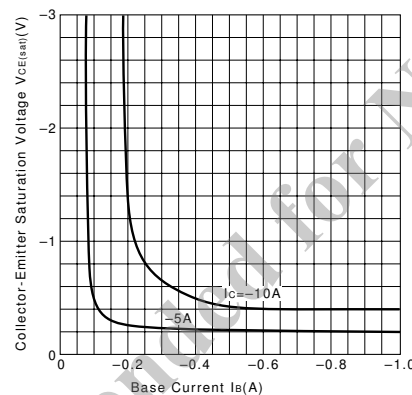
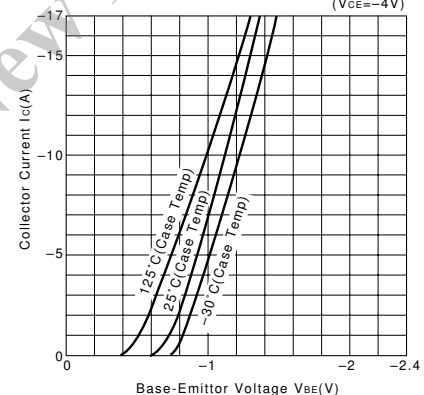
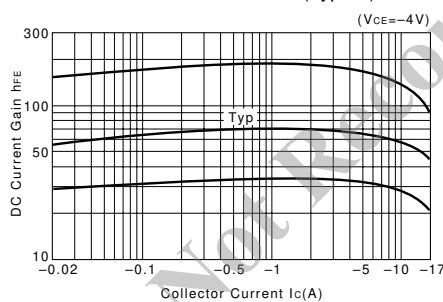
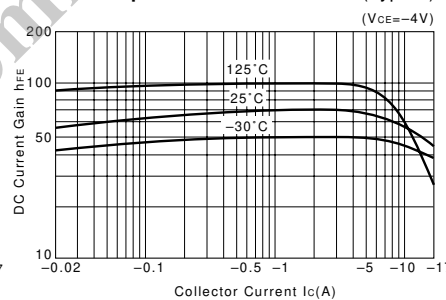
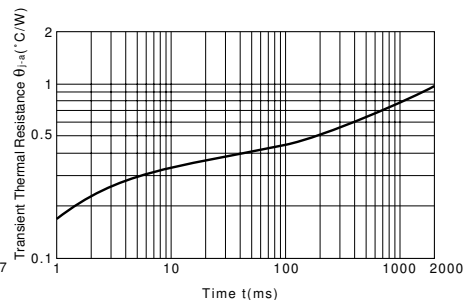
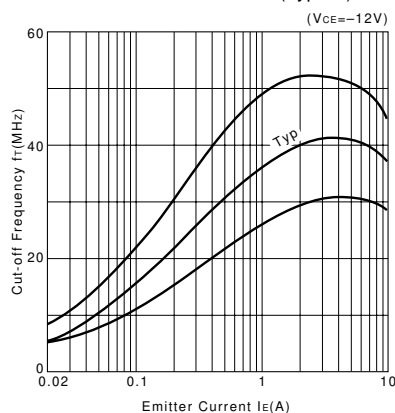
*h_{FE} Rank ○(30to60), Y(50to100), P(70to140), G(90to180)

External Dimensions MT-200

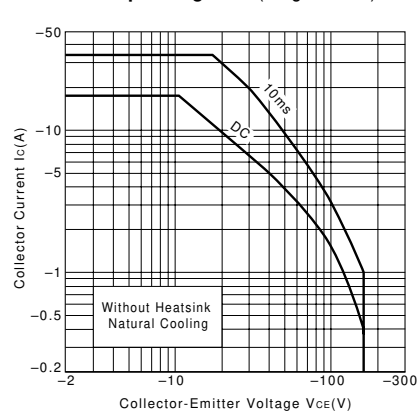


■ Typical Switching Characteristics (Common Emitter)

V _{CC} (V)	R _L (Ω)	I _C (A)	V _{B2} (V)	I _{B1} (A)	I _{B2} (A)	t _{on} (μs)	t _{stg} (μs)	t _f (μs)
-40	4	-10	5	-1	1	0.3typ	0.7typ	0.2typ

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