# 2SA1494

## Silicon PNP Epitaxial Planar Transistor (Complement to type 2SC3858)

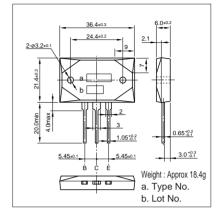
## **Application:** Audio and General Purpose

Absolute maximum ratings (Ta=25°C						
Symbol	2SA1494	Unit				
Vсво	-200	V				
VCEO	-200	V				
VEBO	-6	V				
Ic	-17	А				
lB	-5	А				
Pc	200(Tc=25°C)	W				
Tj	150	°C				
Tstg	-55 to +150	°C				

Electrical Cl	naracteristics	(Ta=25°C)						
Symbol	Conditions	2SA1494	Unit					
Ісво	Vcb=-200V	-100max	μΑ					
<b>Г</b> ЕВО	VEB=-6V	-100max	μΑ					
V(BR)CEO	Ic=-50mA	-200min	٧					
hfe	Vce=-4V, Ic=-8A	50min*						
Vce(sat)	Ic=-10A, IB=-1A	-2.5max	V					
fT	VCE=-12V, IE=1A	20typ	MHz					
Сов	VcB=-10V, f=1MHz	500typ	pF					

\*hfe Rank Y(50 to 100), P(70 to 140), G(90 to 180)

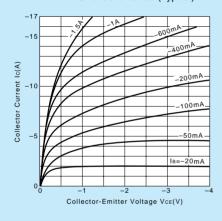
# **External Dimensions MT-200**



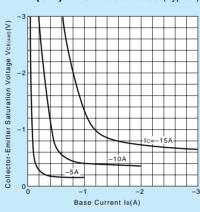
#### Typical Switching Characteristics (Common Emitter)

Vcc	R <sub>L</sub>	Ic	V <sub>BB1</sub> (V)	VBB2	IB1	IB2	ton	tstg	tf
(V)	(Ω)	(A)		(V)	(A)	(A)	(µs)	(µs)	(µs)
-40	4	-10	-10	5	-1	1	0.6typ	0.9typ	0.2typ

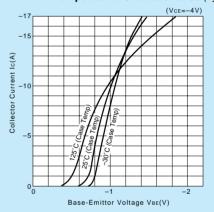




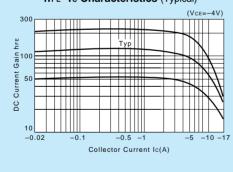
### VcE(sat)-IB Characteristics (Typical)



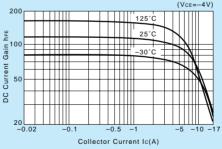
Ic-VBE Temperature Characteristics (Typical)

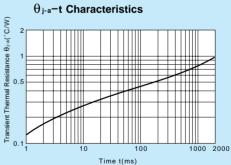


hfe-Ic Characteristics (Typical)

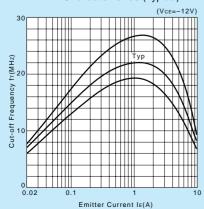


hfe-Ic Temperature Characteristics (Typical)

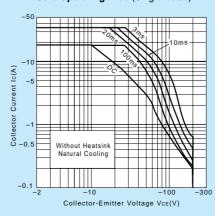




fT-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

