2SA1493

Silicon PNP Epitaxial Planar Transistor (Complement to type 2SC3857)

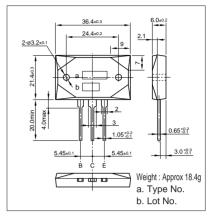
Application: Audio and General Purpose

Absolute	(Ta=25°C)		
Symbol	2SA1493	Unit	
Vсво	-200	V	
VCEO	-200	V	
VEBO	-6	V	
Ic	-15	А	
Ів	-5	А	
Pc	150(Tc=25°C)	W	
Tj	150	°C	
Tstg	-55 to +150	°C	

Electrical C	haracteristics	(Ta=25°C)		
Symbol	Conditions	2SA1493	Unit	
Ісво	Vcb=-200V	-100max	μΑ	
lebo	VEB=-6V	-100max	μΑ	
V(BR)CEO	Ic=-50mA	-200min	٧	
hfe	Vce=-4V, Ic=-5A	50min*		
Vce(sat)	Ic=-10A, IB=-1A	- 3.0max	V	
fT	Vce=-12V, Ie=0.5A	20typ	MHz	
Сов	Vcb=-10V, f=1MHz	400typ	pF	
_	_			

*hfe Rank \overline{O} (50 to 100), P(70 to 140), Y(90 to 180)

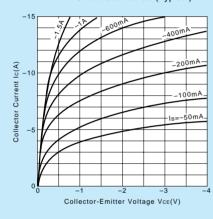
External Dimensions MT-200



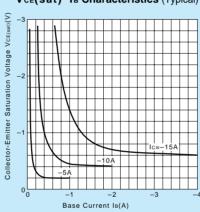
■Typical Switching Characteristics (Common Emitter)

Vcc (V)	R _L (Ω)	Ic (A)	V _{BB1} (V)	V _{BB2} (V)	I _{B1} (mA)	I _{B2} (mA)	ton (µs)	tstg (µs)	tf (µs)
-60	12	-5	-10	5	-500	500	0.3typ	0.9typ	0.2typ

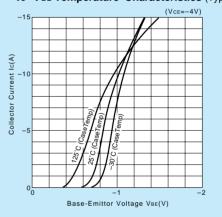
Ic-VcE Characteristics (Typical)



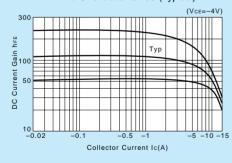




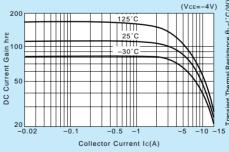
Ic-VBE Temperature Characteristics (Typical)



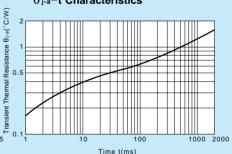
hfe-Ic Characteristics (Typical)



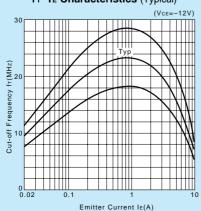
hfe-Ic Temperature Characteristics (Typical)



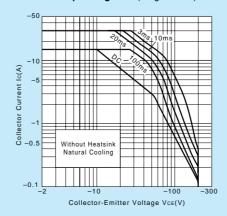
 θ_{j-a} -t Characteristics



fT-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

