2SA1294

Silicon PNP Epitaxial Planar Transistor (Complement to type 2SC3263)

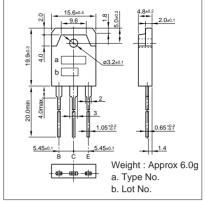
Application: Audio and General Purpose

Absolute maximum ratings (Ta=25°C)						
Symbol	2SA1294		Unit			
Vсво	-230		V			
VCEO	-230		V			
VEBO	-5		V			
Ic	-15		А			
Ів	-4		А			
Pc	130(Tc=25°C)		W			
Tj	150		°C			
Tstg	-55 to +150		°C			

Electrical C	haracteristics	(Ta=25°C)		
Symbol	Conditions	2SA1294	Unit	
Ісво	Vcb=-230V	-100max	μΑ	
ГЕВО	VEB=-5V	-100max	μΑ	
V(BR)CEO	Ic=-25mA	-230min	V	
hfe	Vce=-4V, Ic=-5A	50min*		
Vce(sat)	Ic=-5A, IB=-0.5A	-2.0max	V	
fт	Vce=-12V, Ie=2A	35typ	MHz	
Сов	VcB=-10V, f=1MHz	500typ	pF	
	_			

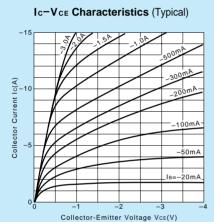
*hfe Rank \(\overline{O}(50\)to 100), \(Y(70\)to 140)

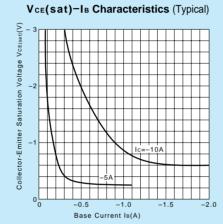
External Dimensions MT-100(TO3P)

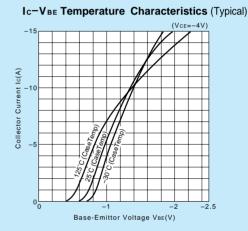


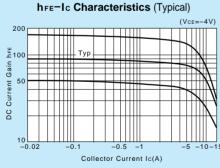
Typical Switching Characteristics (Common Emitter)

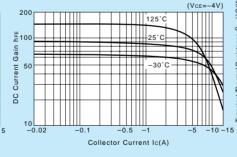
Vcc (V)	RL (Ω)	Ic (A)	V _{BB1} (V)	V _{BB2} (V)	I _{B1} (mA)	I _{B2} (mA)	ton (µs)	tstg (µs)	tf (µs)
-60	12	-5	-10	5	-500	500	0.35typ	1.50typ	0.30typ











hfe-Ic Temperature Characteristics (Typical)

