2SA1673

Silicon PNP Epitaxial Planar Transistor (Complement to type 2SC4388)

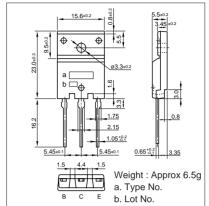
Application: Audio and General Purpose

Absolute maximum ratings (Ta=25°C						
Symbol	2SA1673	Unit				
Vсво	-180	V				
VCEO	-180	V				
VEBO	-6	V				
Ic	-15	А				
Ів	-4	А				
Pc	85(Tc=25°C)	W				
Tj	150	°C				
Tstg	-55 to +150	°C				

Electrical C	haracteristics	(Ta=25°C)		
Symbol	Conditions	2SA1673	Unit	
Ісво	Vcb=-180V	-10max	μΑ	
I EBO	VEB=-6V	-10max	μΑ	
V(BR)CEO	Ic=-50mA	-180min	V	
hfe	Vce=-4V, Ic=-3A	50min*		
Vce(sat)	Ic=-5A, IB=-0.5A	-2.0max	V	
fт	Vce=-12V, Ie=0.5A	20typ	MHz	
Сов	VcB=-10V, f=1MHz	500typ	pF	
	-	<u> </u>		

*hfe Rank 0(50to 100), P(70to 140), Y(90to 180)

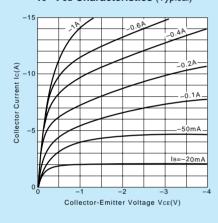
External Dimensions FM100(TO3PF)



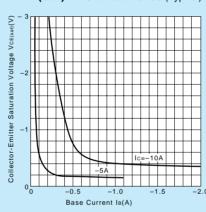
■Typical Switching Characteristics (Common Emitter)

Vcc	R _L	Ic	V _{BB1} (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

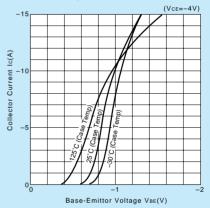
Ic-VcE Characteristics (Typical)



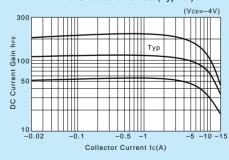
VcE(sat)-IB Characteristics (Typical)



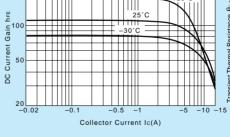
Ic-VBE Temperature Characteristics (Typical)



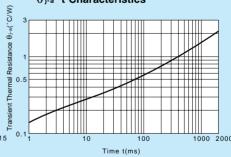
hfe-Ic Characteristics (Typical)



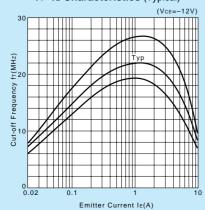
hre-Ic Temperature Characteristics (Typical)
(Vce-4V)



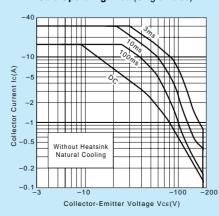
 θ_{j-a} -t Characteristics



fT-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

