# LAPT 2SA1186

### Silicon PNP Epitaxial Planar Transistor (Complement to type 2SC2837)

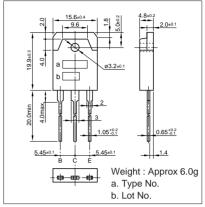
## **Application:** Audio and General Purpose

Absolute maximum ratings (Ta=25°C)							
Symbol	2SA1186	Unit					
Vсво	-150	V					
VCEO	-150	V					
VEBO	-5	V					
Ic	-10	А					
lB	-2	А					
Pc	Pc 100(Ta=25°C)						
Tj	150	°C					
Tstg	-55 to +150	°C					

Electrical Cl	naracteristics	(Ta=25°C)		
Symbol	Conditions	2SA1186	Unit	
Ісво	Vcb=-150V	-100max	μΑ	
ГЕВО	VEB=-5V	-100max	μΑ	
V(BR)CEO	Ic=-25mA	-150min	V	
hfe	Vce=-4V, Ic=-3A	50min*		
Vce(sat)	Ic=-5A, IB=-0.5A	-2.0max	V	
fT	Vce=-12V, Ie=1A	60typ	MHz	
Сов	VcB=-80V, f=1MHz	110typ	рF	

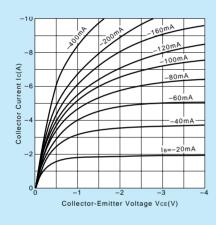
\*hfe Rank  $\overline{O}$ (50 to 100), P(70 to 140), Y(90 to 180)

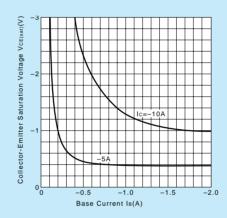
# External Dimensions MT-100(TO3P)

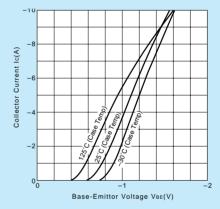


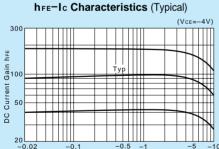
#### Typical Switching Characteristics (Common Emitter)

Vcc	R <sub>L</sub>	Ic	V <sub>B2</sub> (V)	I <sub>B1</sub>	I <sub>B2</sub>	ton	tstg	tf
(V)	(Ω)	(A)		(mA)	(mA)	(µs)	(µs)	(µs)
-60	12	-5	5	-500	500	0.25typ	0.8typ	0.2typ









Collector Current Ic(A)

