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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# LAPT 2SA1386/1386A

(Ta-25°C)

## Silicon PNP Epitaxial Planar Transistor (Complement to type 2SC3519/A)

Symbol	Ra	Unit	
Syllibol	2SA1386		
Vсво	-160 -180		V
VCEO	-160	-180	٧
VEBO	_	٧	
Ic	-1	Α	
lв	-	Α	
Pc	130(Tc:	W	
Tj	15	°C	
Tsta	-55 to	۰۲	

## ■Absolute maximum ratings (Ta=25°C) ■Electrical Characteristics

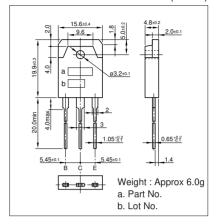
(1a=25 C)						
Symbol	Conditions		Rat	Unit		
Syllibol			2SA1386	2SA1386A	Ullit	
Ісво			-100max	-100max	μΑ	
		Vcb=	-160	-180	V	
<b>I</b> EBO	V <sub>EB</sub> =-5V		-100max		μΑ	
V(BR)CEO	Ic=-25mA		-160min	-180min	V	
hfE	Vce=-4V, Ic=-5A		50min*			
VcE(sat)	Ic=-5A, IB=-0.5A		-2.0max		V	
fт	VCE=-12V, IE=2A		40typ		MHz	
Сов	Vcb=-10V, f=1MHz		500typ		pF	

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

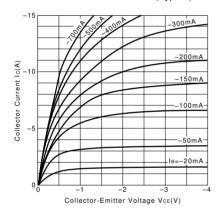
■Typical Switching Characteristics (Common Emitter)						,	,, , , , , , , , , , , , , , , , , , , ,				
	Vcc (V)	RL (Ω)	Ic (A)	V <sub>BB1</sub> (V)	VBB2 (V)	I <sub>B1</sub> (A)	I <sub>B2</sub> (A)	ton (µs)	tstg (μs)	tf (μs)	
	-40	4	-10	-10	5	-1	1	0.3typ	0.7typ	0.2typ	

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

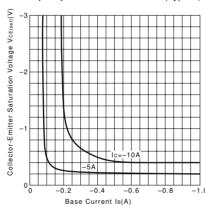
## External Dimensions MT-100(TO3P)



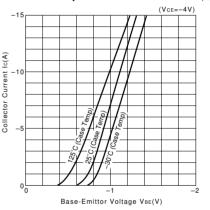
## Ic-VcE Characteristics (Typical)



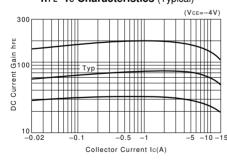
VcE(sat)-IB Characteristics (Typical)



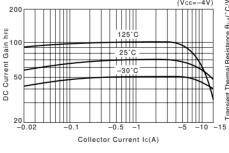
Ic-VBE Temperature Characteristics (Typical)



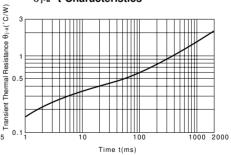
hfe-Ic Characteristics (Typical)



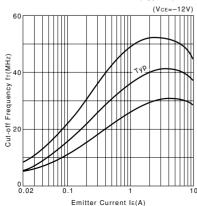
hfe-Ic Temperature Characteristics (Typical)



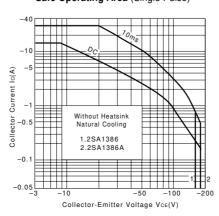
θ<sub>j-a</sub>-t Characteristics



fT-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

