

## PNP General Purpose Amplifier



### Features

- Moisture sensitivity level 1
- Halogen free and RoHS compliant
- Surface mount package ideally suited for automatic insertion

### Application

### Mechanical data

- Package SOT-23
- Terminals

Item	Symbol	Unit	Conditions	Value
Device marking code			2SA1036-Q	APQ
			2SA1036-R	APR
Collector-base voltage	$V_{CBO}$	V	$I_C = -100\mu A, I_E = 0$	-40
Collector-emitter voltage	$V_{CEO}$	V	$I_C = -1mA, I_B = 0$	-32
Emitter-base voltage	$V_{EBO}$	V	$I_E = -100\mu A, I_C = 0$	-5
Collector current	$I_C$	A		-0.5
Power dissipation	$P_D$	mW		200
Junction temperature	$T_J$			-55 to +150
Storage temperature	$T_{STG}$			-55 to +150

2SA1036

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Characteristics

Fig 1 Static Characteristics

Fig 2 DC Current Gain

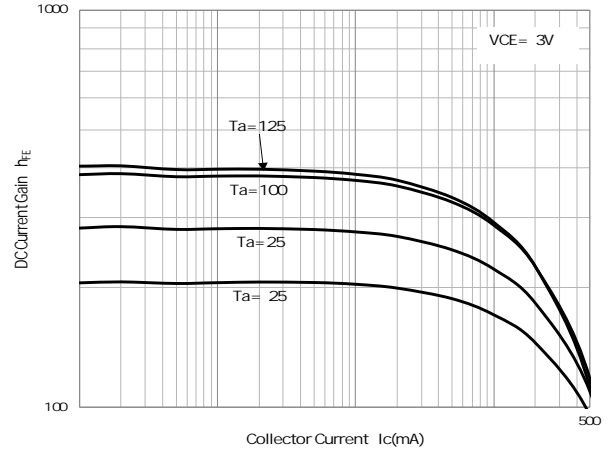


Fig 3 Collector-Emitter Saturation Voltage

$I_c$ (mA)	$V_{CE(sat)}$ (V)
10	
100	
500	

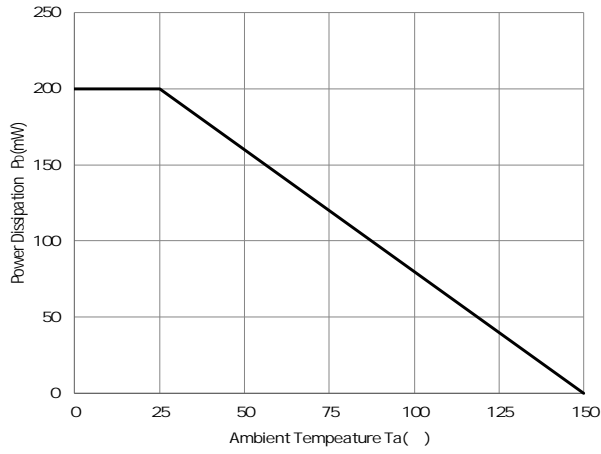
Fig 4 Base-Emitter Saturation Voltage

Fig 5 Base-Emitter On Voltage

Fig 6  $C_{ob}/C_{ib}-V_{CB}/V_{EB}$



Fig 7 P<sub>D</sub>-T<sub>a</sub> Curve



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RoHS  
COMPLIANT

v2UGHULQJ ,QIRUPDWLRQ

0³

3UHIHUUHC	3DFNL FRGH	8QLW ZHLJ	0LQLPXP SDFNDJH	,QQHU ER TXDQWLW\	2XWHU FDU TXDQWLW\	'HOLYHU\ PRGH
6\$	)	\$SSUR[LPDWH				UHH
6\$	)	\$SSUR[LPDWH				UHH

v2XWOLQH 'LPHQVLRQV

v6XJJHVWHG 3DG /D\RXW

0³

0³

