

PNP General Purpose Amplifier



Features

- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix "HF"
- Moisture Sensitivity Level 1
- High Conductance
- Surface Mount Package Ideally Suited for Automatic Insertion

Mechanical Data

- **Package:** SOT-323
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Marking:**

2SA1576A-Q	FQ
2SA1576A-R	FR
2SA1576A-S	FS

■Maximum Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	-60	V
Collector-Emitter Voltage	V_{CEO}	-50	V
Emitter-Base Voltage	V_{EBO}	-6	V
Collector Current	I_C	-150	mA
Collector Power Dissipation	P_C	200	mW
Operation Junction Temperature	T_J	150	
Storage Temperature	$T_{A \ g}$	-55 to +150	

■Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
2SA1576A	F2	Approximate 0.005	3000	30000	120000	7" reel

6 \$ \$

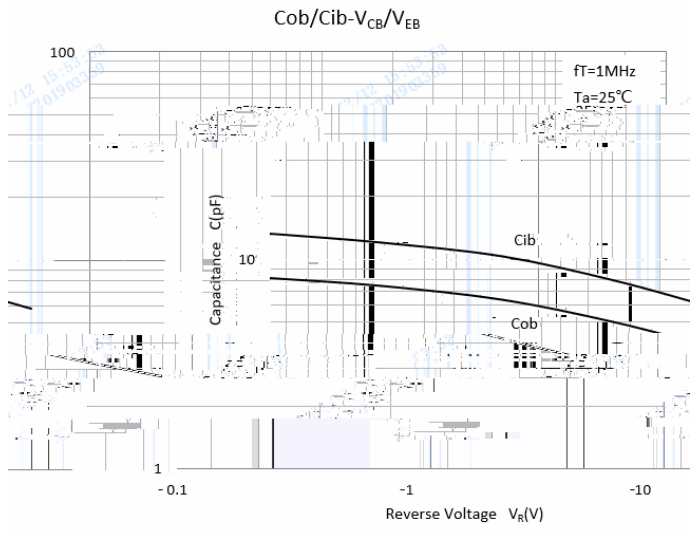
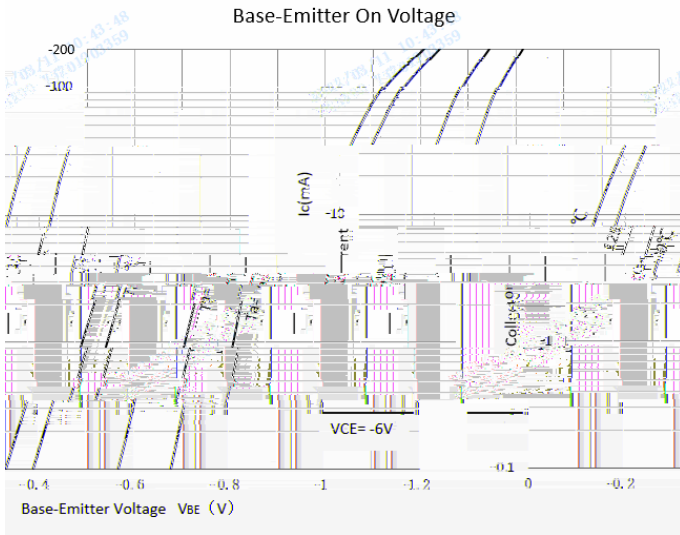
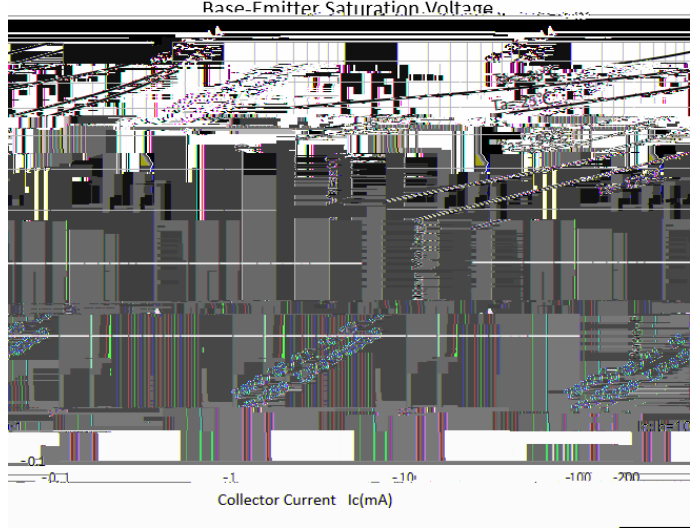
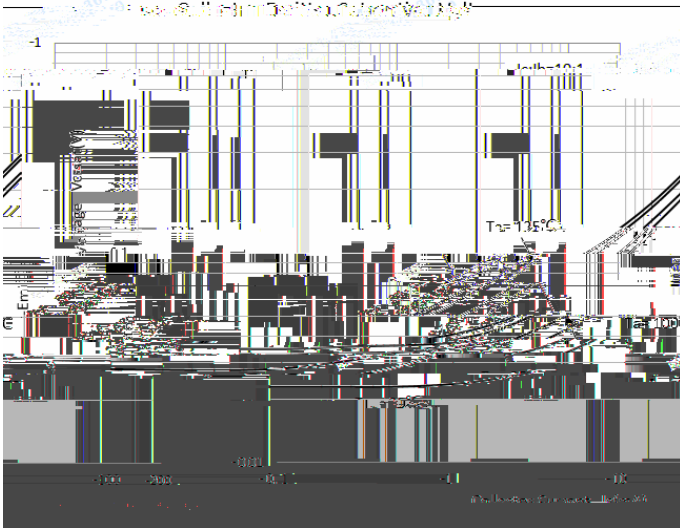
v(OHFWULFDO &K&UDFWH&QDWH&FRWKHU&LVH VSHFLILHG

,WHP	6\PERO	8QLW	&RQGLWLRQV	0LQ	7<3	0D[
&ROOHFWRU EDVH EUHDNGRZQ YROWDJH	&4Q	YROWDJH	,& 9 \$, (			
&ROOHFWRU HPLWWHU EUHDNGRZQ YROWDJH	&4Q	YROWDJH	& P\$9, %			
(PLWWHU EDVH EUHDNGRZQ YROWDJH9	(%2		, (9 \$, &			
&ROOHFWRU EDVH FXW RII FXUUHQW \$	5%2	HQW \$	9&% 9 , (			
(PLWWHU EDVH FXW RII FXUUHQW X\$	(%2		9 (% 9 , &			
'& FXUUHQW JDLQ	) (	K	9& (9 , & P\$			
&ROOHFWRU HPLWWHU VDWXUDWLRQ YROWDJH	&4Q	YROWDJH	P\$, % P\$			
2XWSXW &DSDFLWDQFH		&RE	9 9&%	9 , (I 0+]		
7UDQVLWLRQ IUHTXHQF\	7	0+] I	9& (9 , & P\$ I	0+]		

v&ODVVLILFDWLRQ RI K

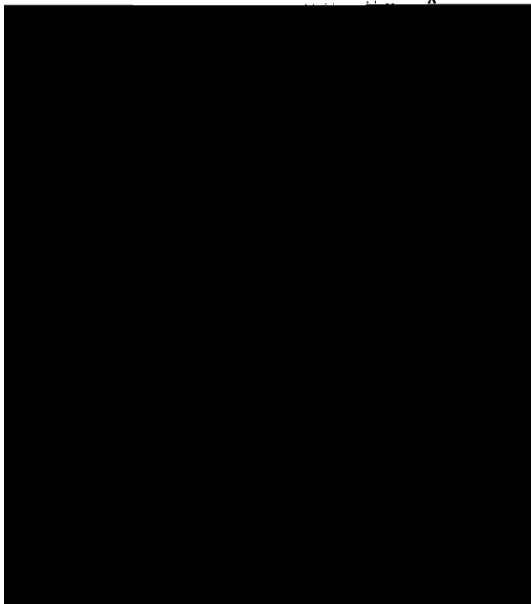
5DQN	6\$ \$ 4	6\$ \$ 5	6\$ \$ 6
5DQJH			

v&KDUDFWHU&SLWDOV



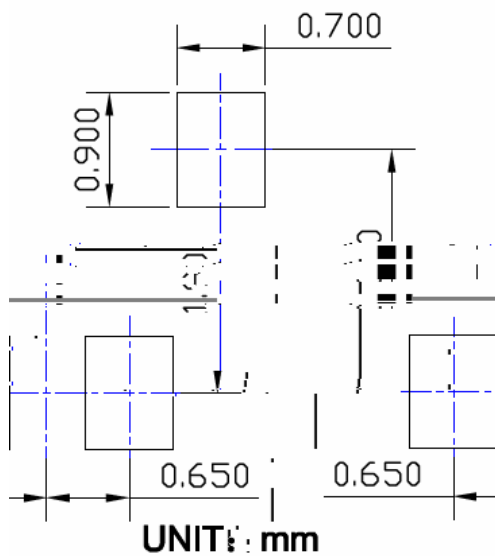


■ SOT-323 Package Outline Dimensions



DIMENSIONS				
SYMBOL	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A	0.035	0.043	0.900	1.100
A1	0.000	0.004	0.000	0.100
b	0.000	0.004	0.000	0.100
c	0.000	0.004	0.000	0.100
d	0.000	0.004	0.000	0.100
e	0.000	0.004	0.000	0.100
f	0.000	0.004	0.000	0.100
g	0.000	0.004	0.000	0.100
h	0.000	0.004	0.000	0.100
i	0.000	0.004	0.000	0.100
j	0.000	0.004	0.000	0.100
k	0.000	0.004	0.000	0.100
l	0.000	0.004	0.000	0.100
m	0.000	0.004	0.000	0.100
n	0.000	0.004	0.000	0.100
o	0.000	0.004	0.000	0.100
p	0.000	0.004	0.000	0.100
q	0.000	0.004	0.000	0.100
r	0.000	0.004	0.000	0.100
s	0.000	0.004	0.000	0.100
t	0.000	0.004	0.000	0.100
u	0.000	0.004	0.000	0.100
v	0.000	0.004	0.000	0.100
w	0.000	0.004	0.000	0.100
x	0.000	0.004	0.000	0.100
y	0.000	0.004	0.000	0.100
z	0.000	0.004	0.000	0.100

■ SOT-323 Soldering Footprint





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