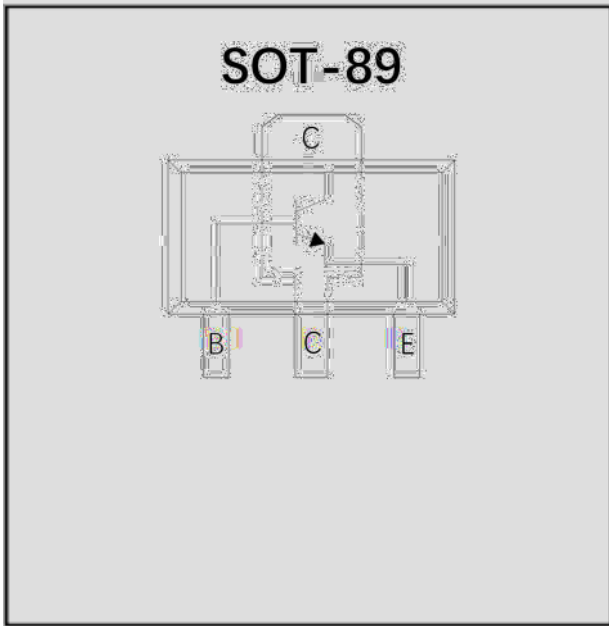


**SOT-89 ; YbYfU`D i fdcgY' 5 a d`JZYf**



:YU h i fYg''

- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix "HF"
- Moisture Sensitivity Level 1

A YW \ Ub]WU'` 8 UhU'

DUW\_U[Y: SOT-89

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

HYf a ]bU'g. Tin plated leads, solderable per J-STD-002 and JESD22-B102

Marking: Y1

AUI]a i a `FUh]b[g (Ta=25 unless otherwise noted)

Parameter	Symbol	Unit	Test Conditions	Value
Minimum Collector-Emitter Voltage	$V_{CE0}$	V	$I_C=100\mu A, I_E=0$	25
Minimum Collector-Base Voltage	$V_{CBO}$	V	$I_C=100\mu A, I_E=0$	40
Minimum Emitter-Base Voltage	$V_{EBO}$	V	$I_E=100\mu A, I_C=0$	5
Collector Current	$I_C$	A		1.5
Collector Power Dissipation	$P_C$	mW		500
Thermal Resistance From Junction To Ambient	$R_{JA}$	/W		250
Operation Junction Temperature	$T_j$			-55 to +150
Storage Temperature	$T_{stg}$			-55 to +150



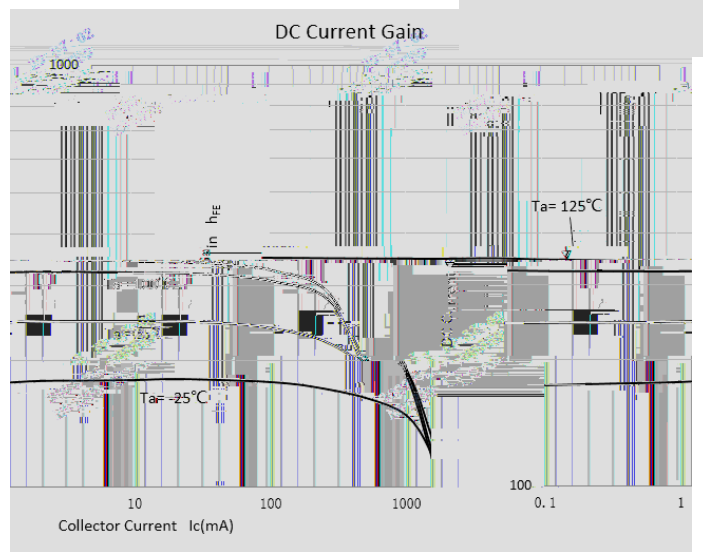
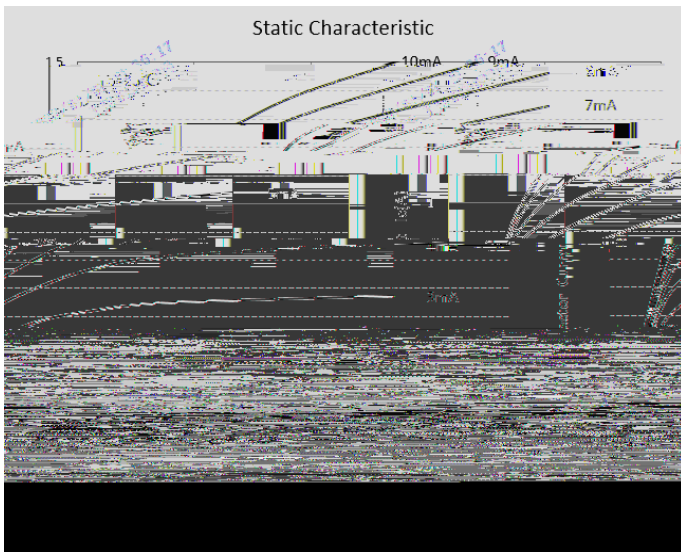
9'YWhf]WU' 7 \UfUWhYf]gh]Wg' (Ta=25 unless otherwise noted)

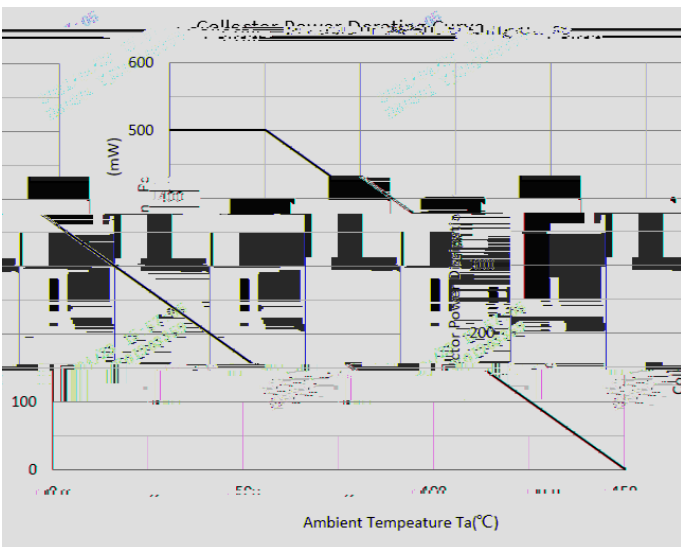
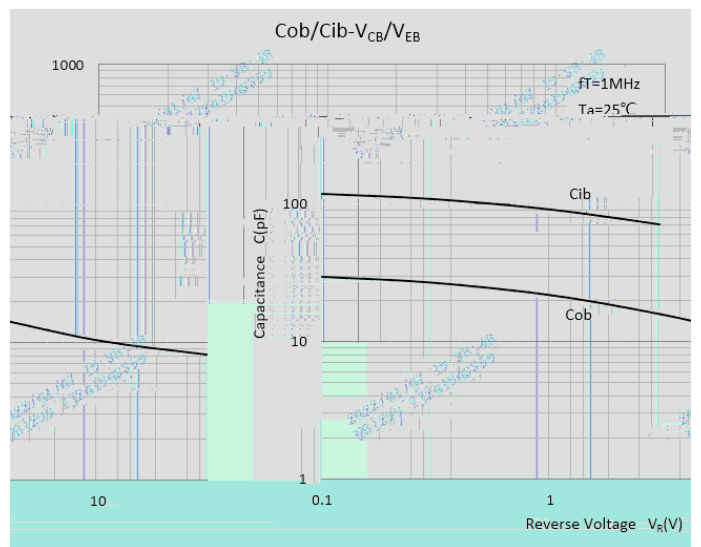
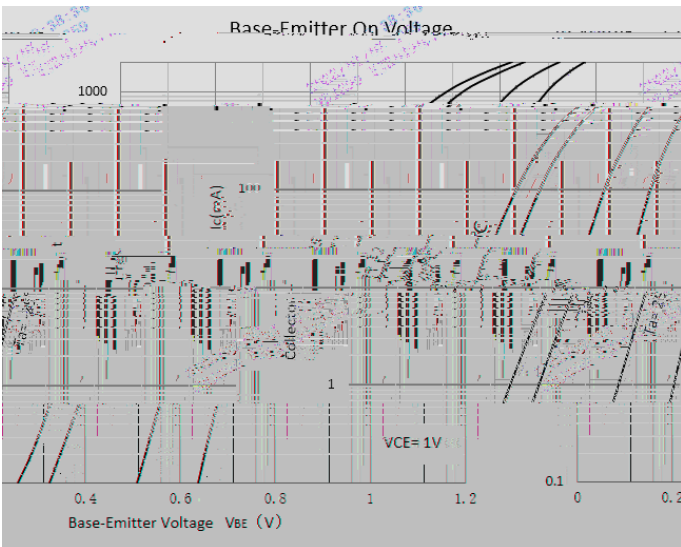
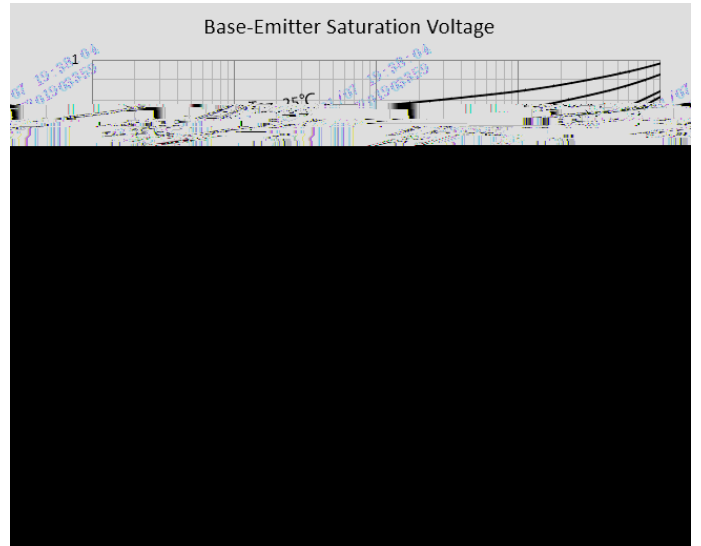
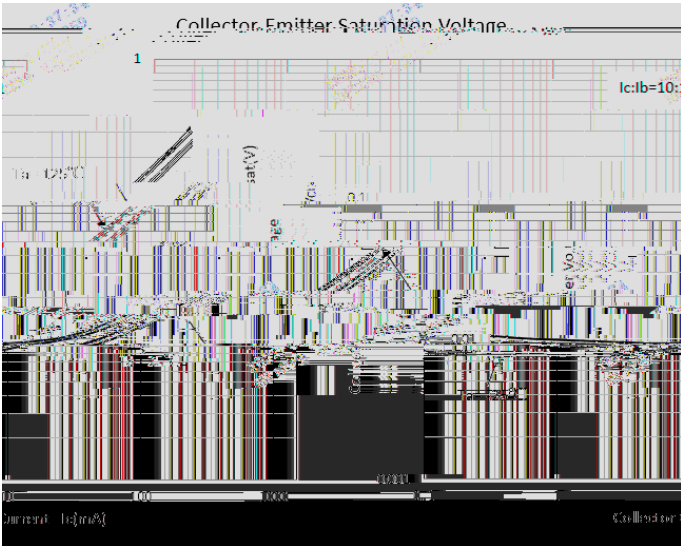
Parameter	Symbol	Unit	Test Conditions	Min	Max	Typ
Collector-Emitter Voltage	$V_{CEO}$	V	$I_C=100\mu A, I_B=0$		25	
Collector-Base Voltage	$V_{CBO}$	V	$I_C=100\mu A, I_E=0$		40	
Emitter-Base Voltage	$V_{EBO}$	V	$I_E=100\mu A, I_C=0$		5	
Collector-Base cut-off current	$I_{CBO}$	nA	$V_{CB}=40V, I_E=0$			100
Collector-Emitter cut-off current	$I_{CEO}$	nA	$V_{CE}=20V, I_B=0$			100
Emitter-Base cut-off current	$I_{EBO}$	nA	$V_{EB}=5V, I_C=0$			100
DC Current Gain	$h_{FE1}$		$I_C=100mA, V_{CE}=1V$		160	300
	$h_{FE2}$		$I_C=800mA, V_{CE}=1V$		40	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	V	$I_C=800mA, I_B=80mA$			0.5
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	V	$I_C=800mA, I_B=80mA$		0.6	1.2
Base-Emitter Positive Forward Voltage	$V_{BEF}$	V	$I_B=1A$			1.55
Transition Frequency	$f_T$	MHz	$I_C=50mA, V_{CE}=10V, f=30MHz$		100	
Output Capacitance	$C_{ob}$	pF	$V_{CB}=10V, f=1MHz, I_E=0$			15

CfXYf]b [ ' =bzcf a Uh]cb' (Example)

DF9 : 9F98'D#B'	D57 ?-B ; ' 7C89'	IB-H' K9- ; <Hfl[L'	A=B-A I A' D57 ? 5 ; 9fidWgl.	-BB9F' 6CL' E I 5BH-HMfidWgl.	C I H9F' 75FHCB' E I 5BH-HMfidWgl.	89@-J9FM' AC89
PXT8050-D	F2	Approximate 0.055	1000	8000	32000	7" reel

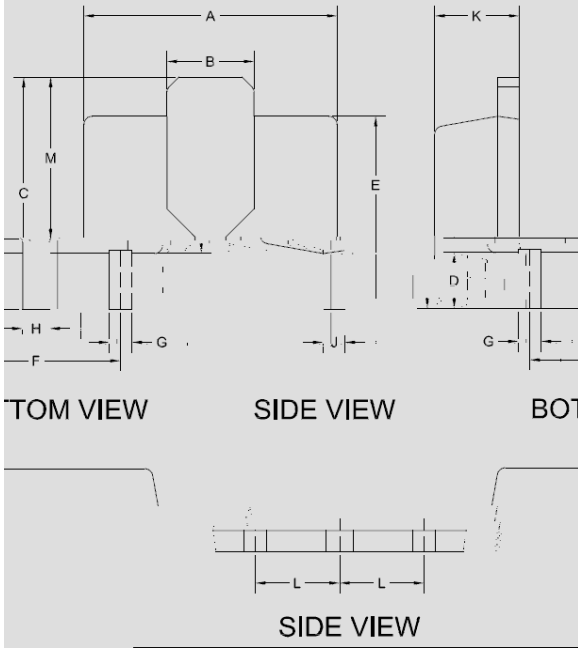
7 \UfUWhYf]gh]Wg (Typical)





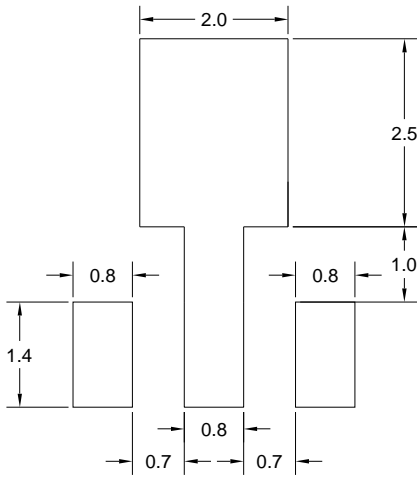


GCH!, - 'DUW\_U[Y'C i h`]bY' 8] a Ybg]cbg'



DIM	DIMENSIONS			
	INCHES		MM	
	MIN.	MAX.	MIN.	MAX.
A	0.173	0.181	4.400	4.600
B	0.061 TYP.	0.061 TYP.	1.550 TYP.	1.550 TYP.
C	0.155	0.167	3.940	4.240
D	0.004	0.004	0.100	0.100
E	0.094	0.102	2.400	2.600
F	0.118 TYP.	0.118 TYP.	3.000	3.000
G	0.014	0.019	0.360	0.480
H	0.017	0.022	0.440	0.560
J	0.030	0.440	0.017	0.017
K	1.400	1.600	0.055	0.063
L	1.500 TYP.	1.500 TYP.	0.050 TYP.	0.050 TYP.
M	2.750 TYP.	2.750 TYP.	0.108 TYP.	0.108 TYP.

GCH!, - 'Gi [[YghYX'DUX'@Umc i h'



UNIT:MM



DLH, \$) \$! 8`

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8]gW'U]a Yf`

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