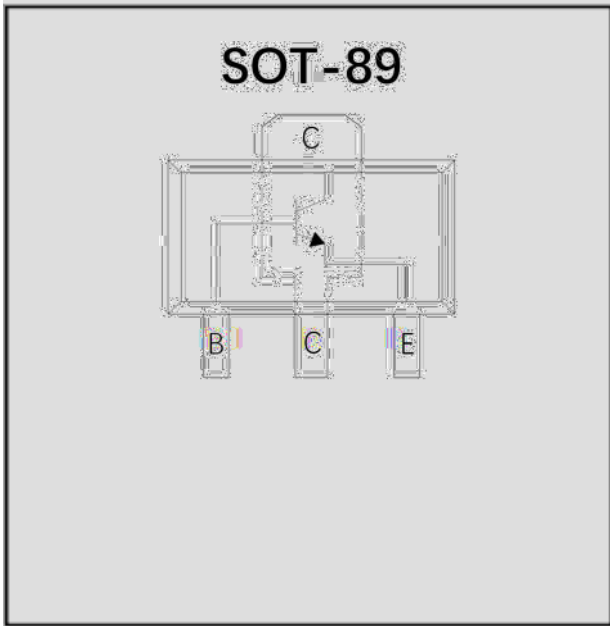


BDB' ; YbYfU`D i fdcgY' 5 a d`J]Yf



:YUh 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_{CEO}	V	$I_C=100\mu A, I_B=0$	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



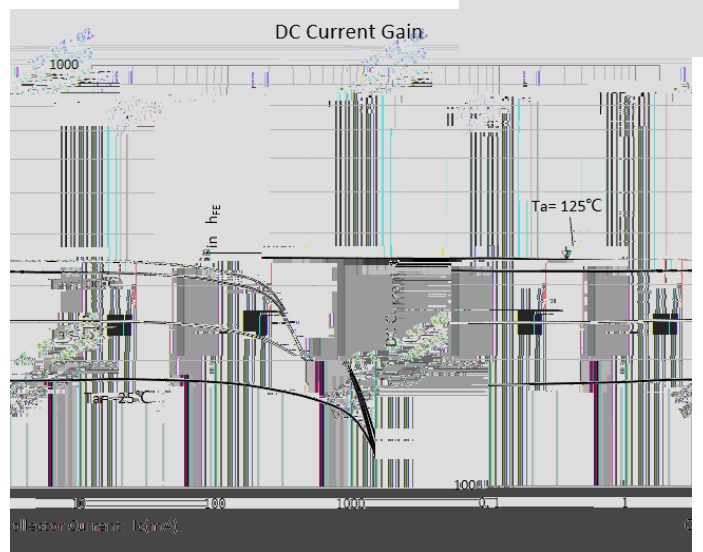
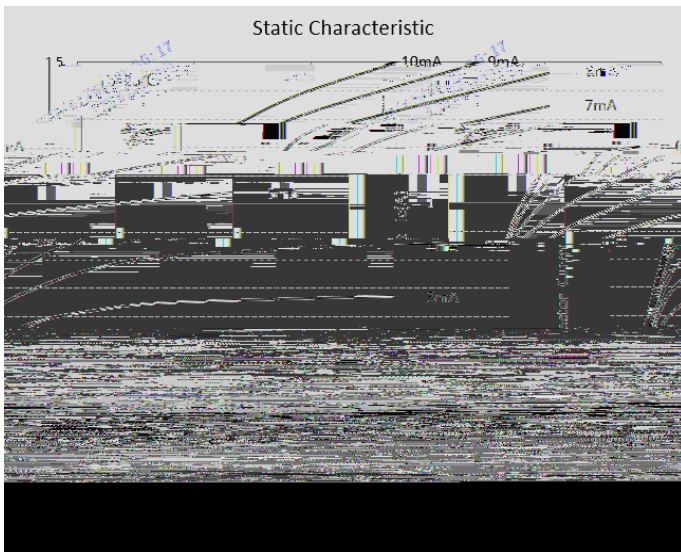
9'YWhf]WU' 7 \UfUWhYf]gh]Wg' (Ta=25 unless otherwise noted)

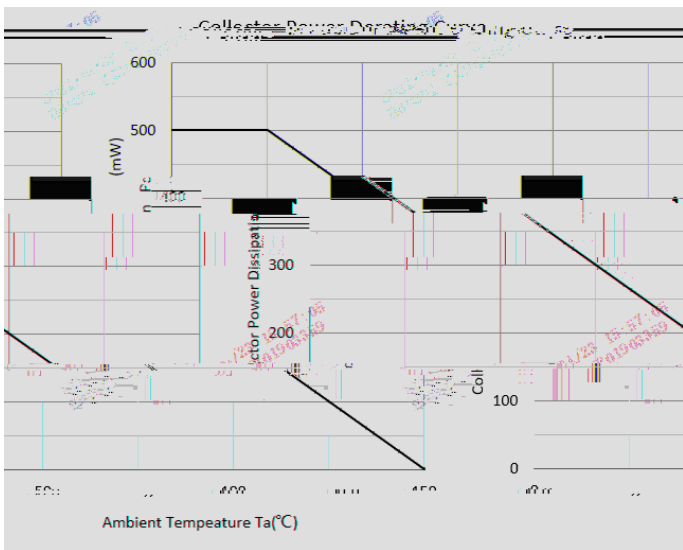
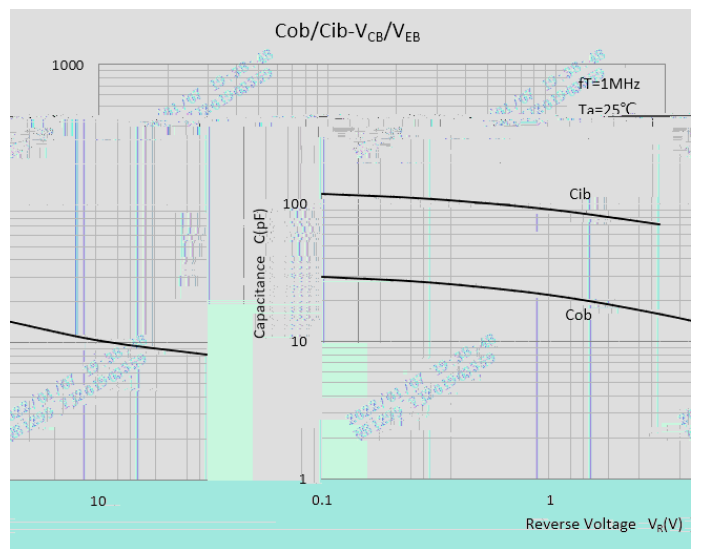
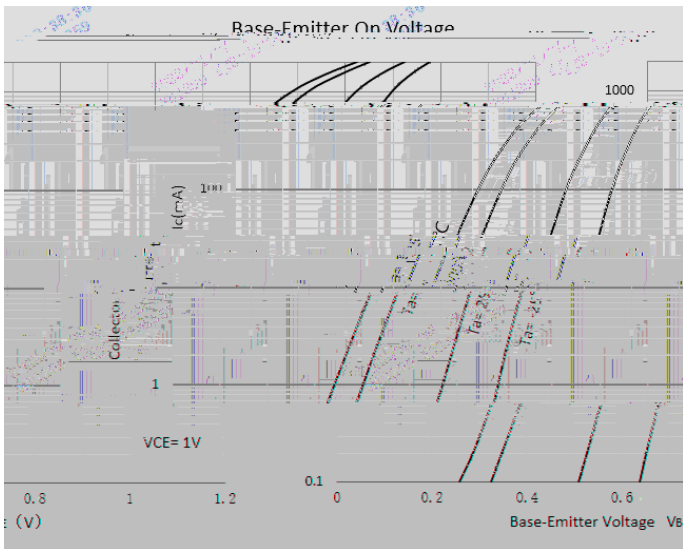
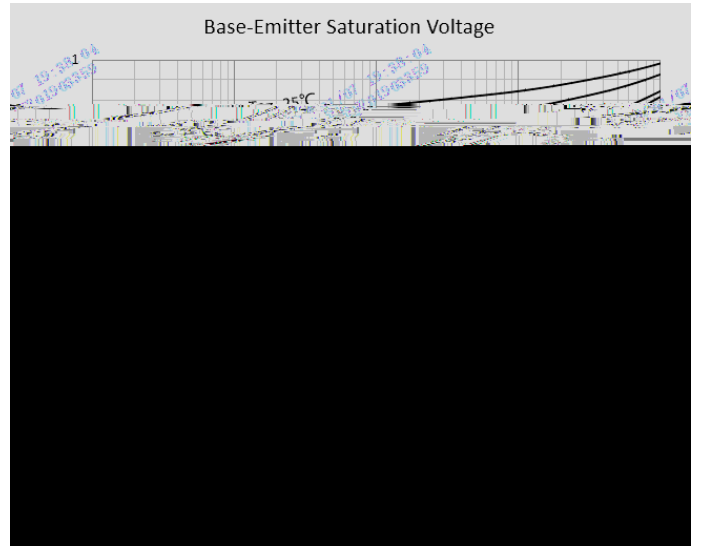
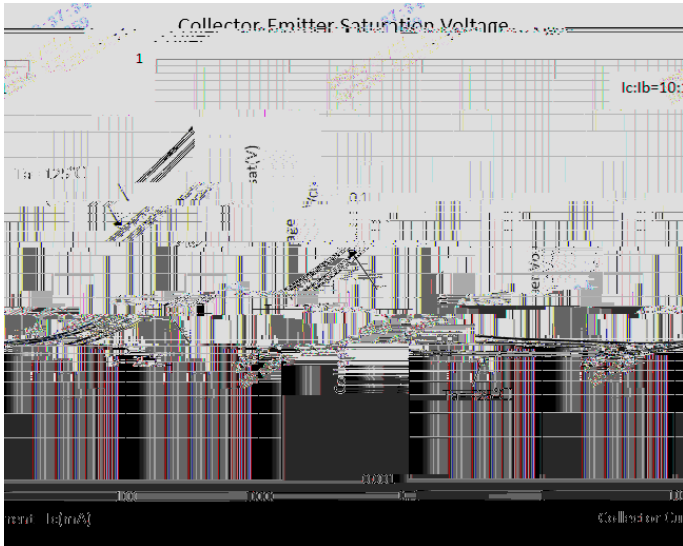
Parameter	Symbol	Unit	Test Conditions	Min	Max	Typ
Collector-Emitter Voltage	V_{CEO}	V	$I_C=100\mu A, I_B=0$	25		
Collector-Base Voltage	V_{CBO}	V	$I_C=100\mu A, I_E=0$	40		
Emitter-Base Voltage	V_{EBO}	V	$I_E=100\mu A, I_C=0$	5		
Collector-Base cut-off current	I_{CBO}	nA	$V_{CB}=40V, I_E=0$			100
Collector-Emitter 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

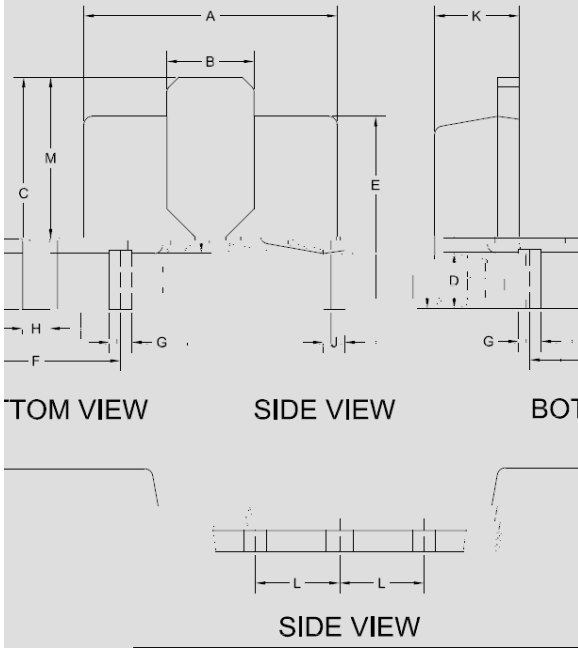
7 \UfUWhYf]gh]Wg (Typical)





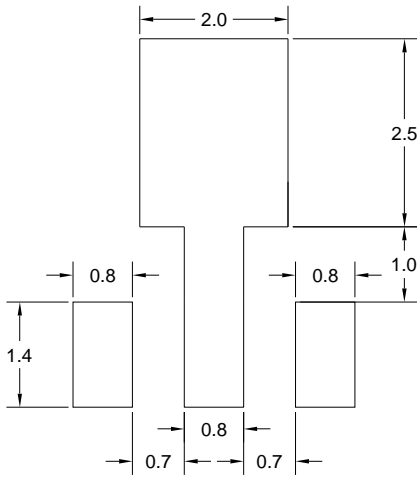


GCH!, - 'DUW_U[Y'C i h]bY' 8] a Ybg]cbg'



DIM	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	0.094	0.102	2.400	2.600
E	0.094	0.102	2.400	2.600
F	0.118 TYP.	0.118 TYP.	3.000 TYP.	3.000 TYP.
G	0.014	0.019	0.360	0.480
H	0.017	0.022	0.440	0.560
I	0.055	0.063	1.400	1.600
J	0.059 TYP.	0.059 TYP.	1.500 TYP.	1.500 TYP.
K	0.108 TYP.	0.108 TYP.	2.750 TYP.	2.750 TYP.
L				
M				

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



UNIT:MM



DLH, \$) \$! 8`

8]gW'U]a Yf`

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