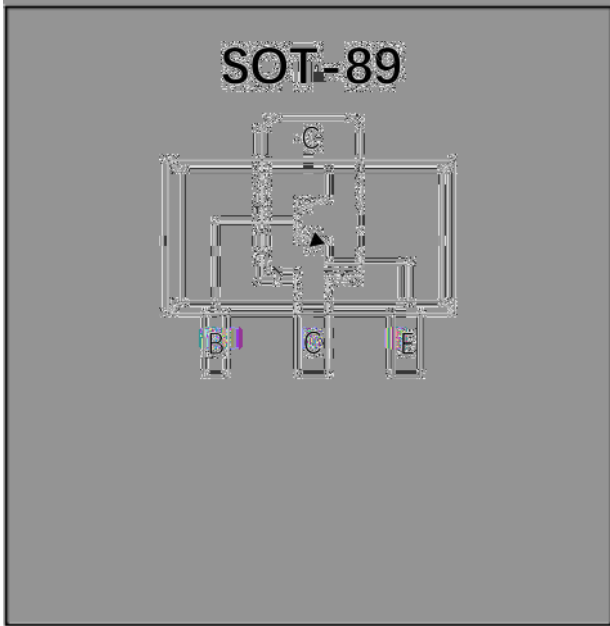


BDB' ; YbYfU`D i fdcgY' 5 a d`J]Yf



: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

AYW\Ub]WU` 8UhU'

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



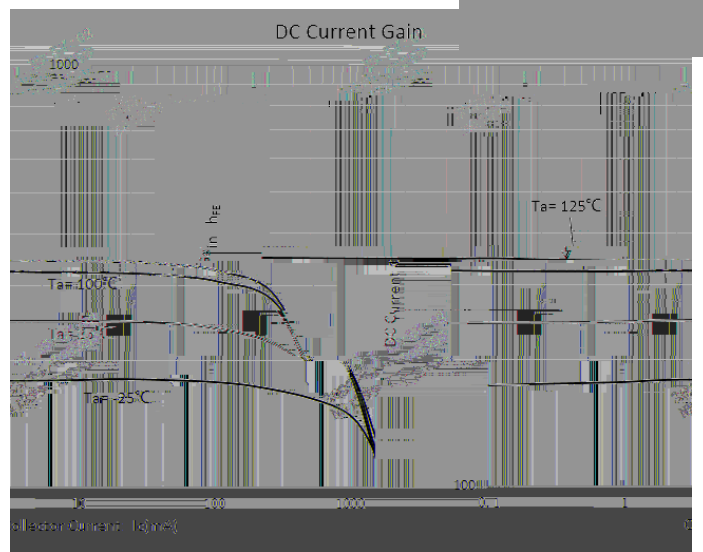
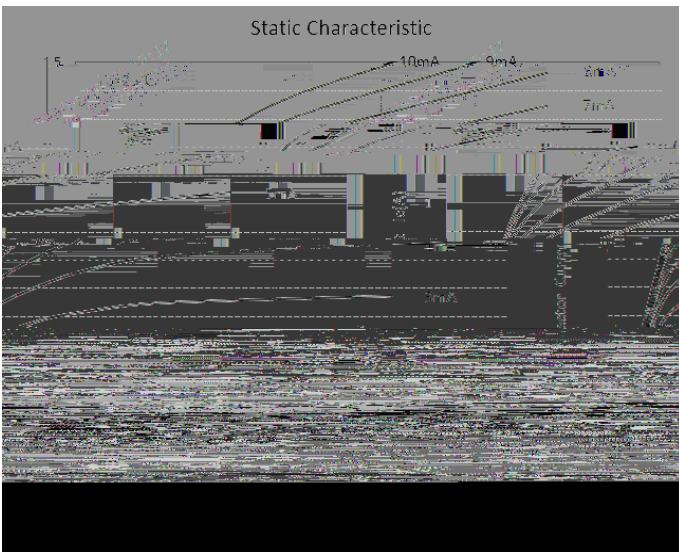
9`YWhf]WU`7\UfUWhYf]gh]Wg` (Ta=25 unless otherwise noted)

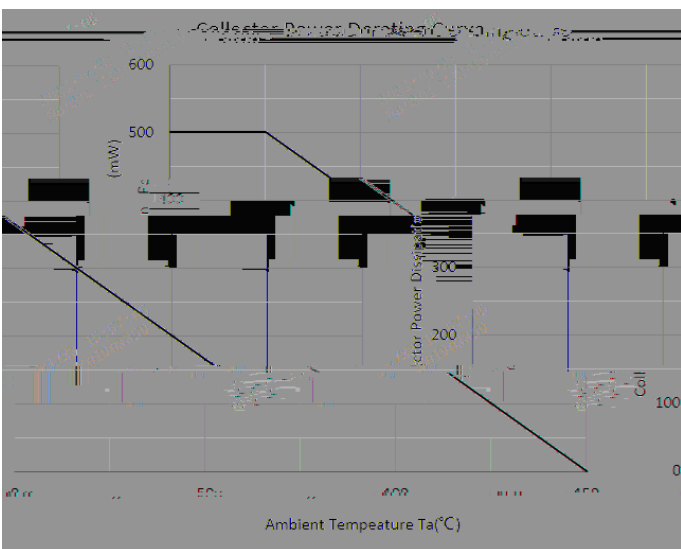
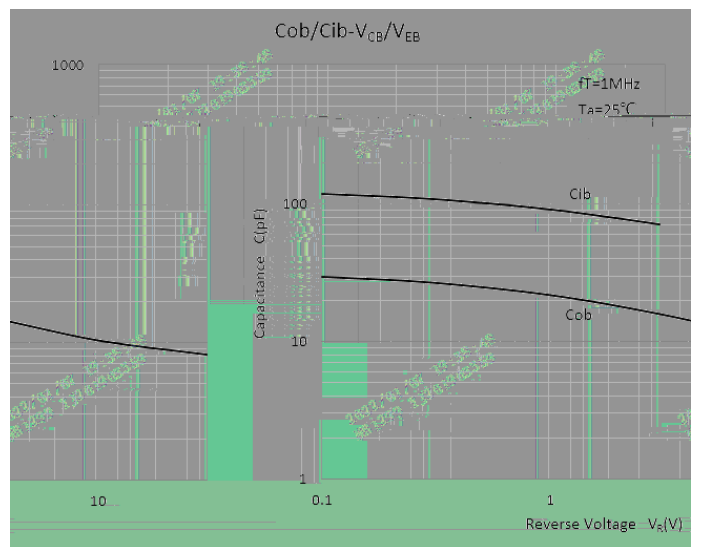
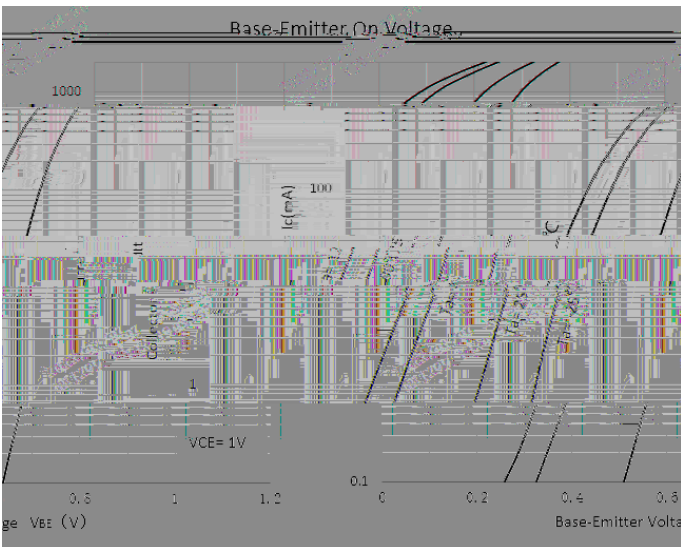
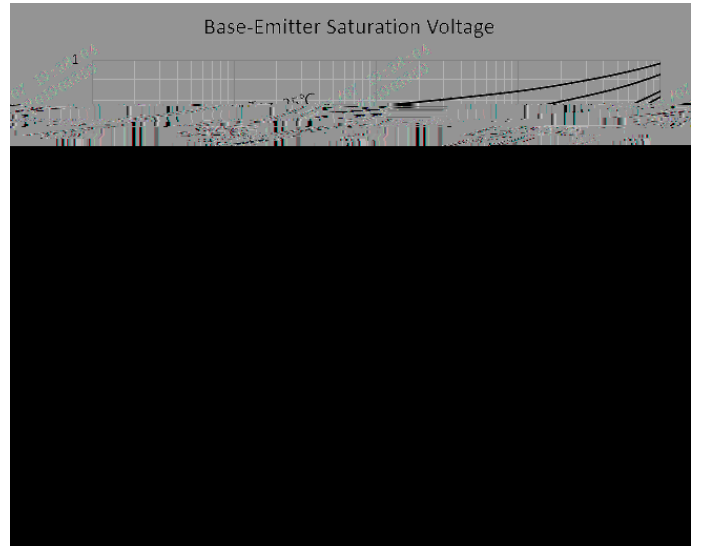
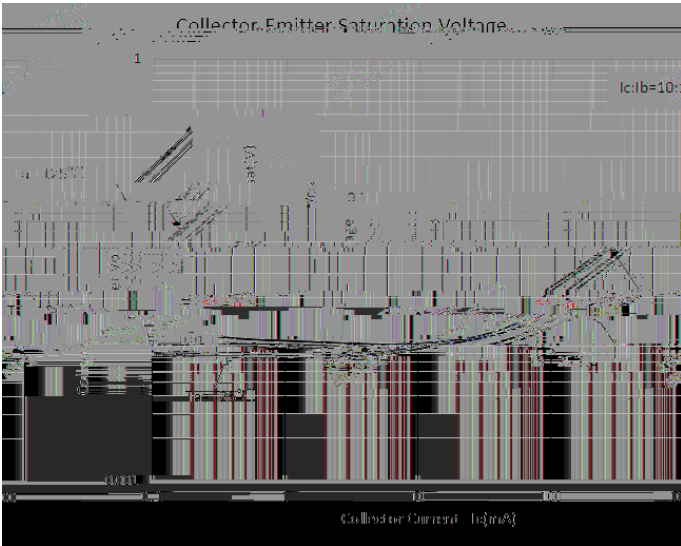
Parameter	Symbol	Unit	Test Conditions	Min	Max	Typ
Collector-Emitter Voltage	V_{CEO}	V	$I_C=100\mu A, I_B=0$	25		
Collector-Base Voltage	V_{CBO}	V	$I_C=100\mu A, I_E=0$	40		
Emitter-Base Voltage	V_{EBO}	V	$I_E=100\mu A, I_C=0$	5		
Collector-Base cut-off current	I_{CBO}	nA	$V_{CB}=40V, I_E=0$			100
Collector-Emitter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

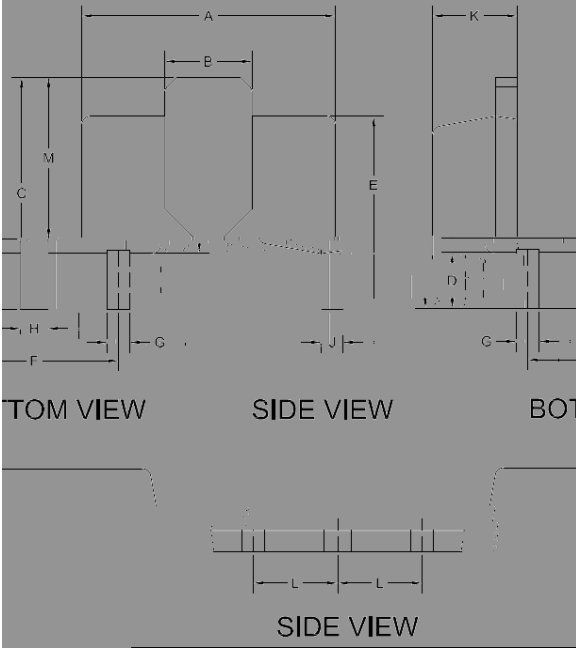
7\UfUWhYf]gh]Wg (Typical)





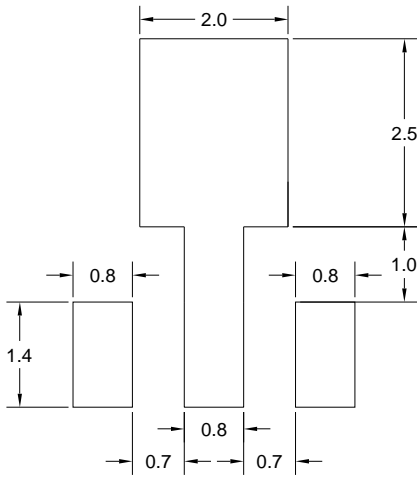


GCH!, - 'DUW_U [Y' C i h] bY' 8' a Ybg] cbg'



DIM	INCHES		MM	
	MIN.	MAX.	MIN.	MAX.
A	0.173	0.181	4.400	4.600
B	0.061 TYP		1.550 TYP	
C	0.155	0.167	3.940	4.240
D	0.004	0.187	0.100	4.720
E		2.400	2.600	
F	0.118 TYP		3.00 TYP	
G	0.014	0.019	0.360	0.480
H	0.017	0.022	0.440	0.560
I	0.00	1.600	K	0.055
J	1.500 TYP		L	0.050 TYP
K	2.750 TYP		M	0.108 TYP

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



UNIT:MM



DLH, \$) \$! 8`

8]gW'U]a Yf`

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