

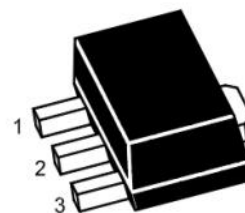


PXT2907A TRANSISTOR (PNP)

FEATURES

- Switching and Linear Amplification
- High Current and Low Voltage
- Complement to PXT2222A

MARKING : P2F



1.Base 2.Collector 3.Emitter

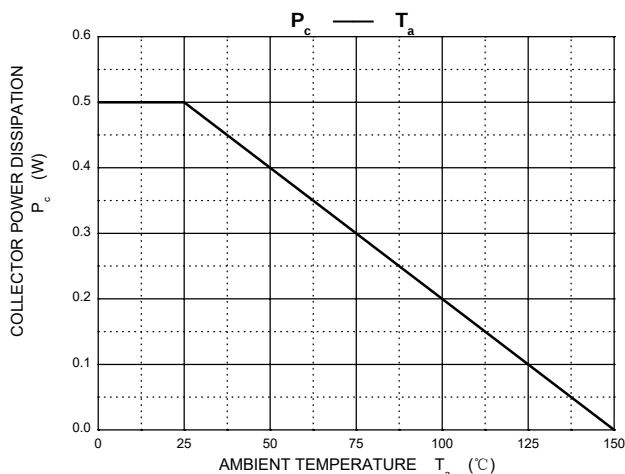
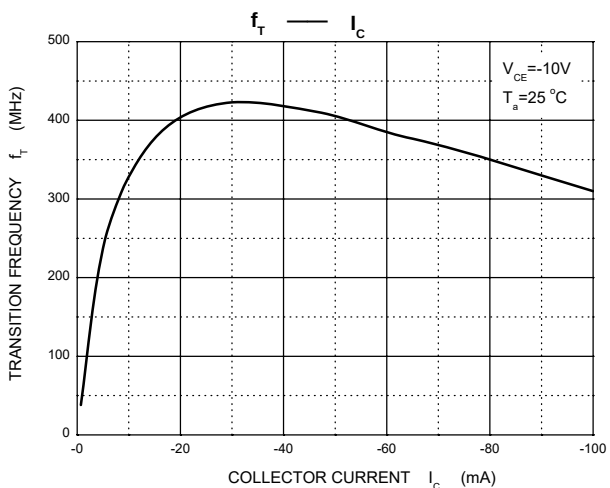
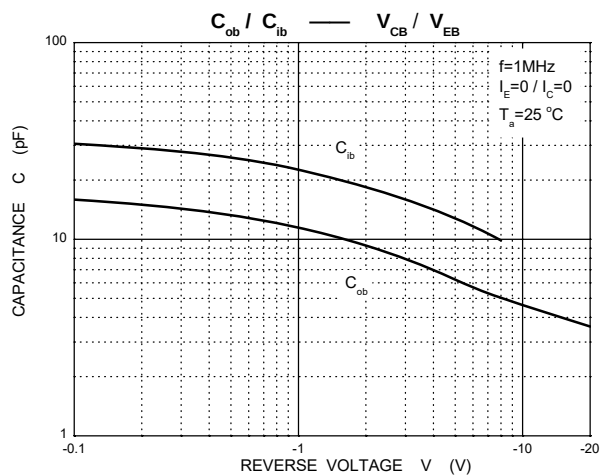
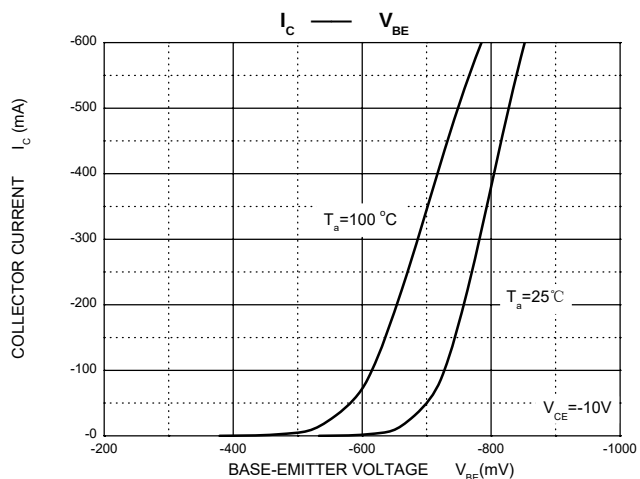
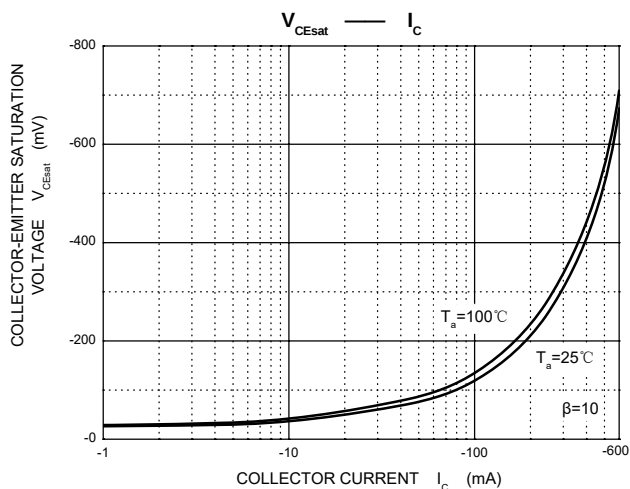
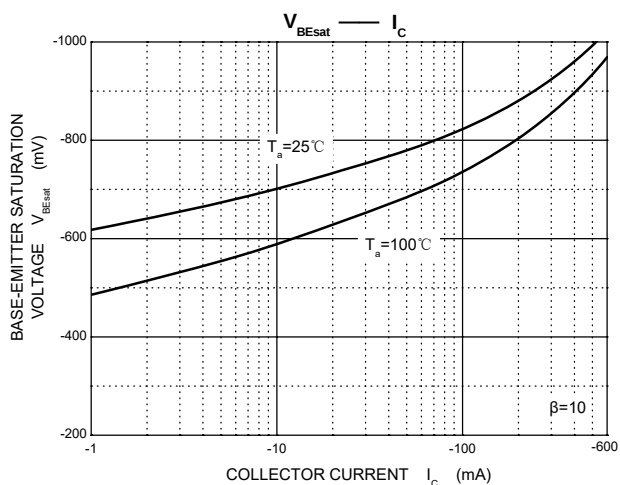
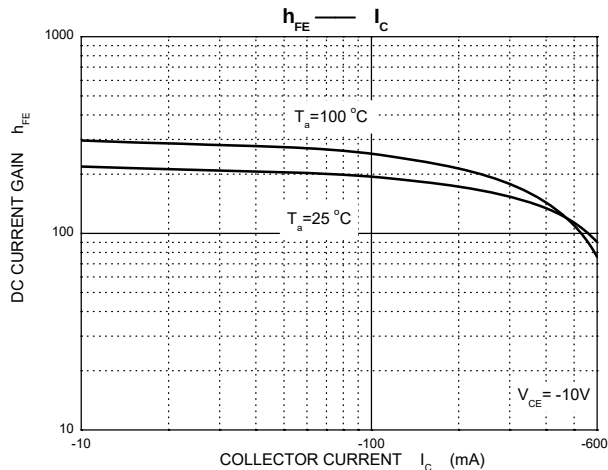
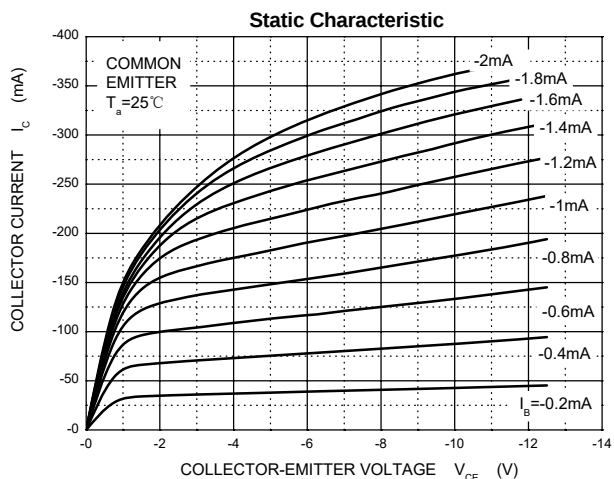
SOT-89-3L

MAXIMUM RATINGS (Ta=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-60	V
V_{CEO}	Collector-Emitter Voltage	-60	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current	-600	mA
P_C	Collector Power Dissipation	500	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	250	℃/W
T_J, T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃

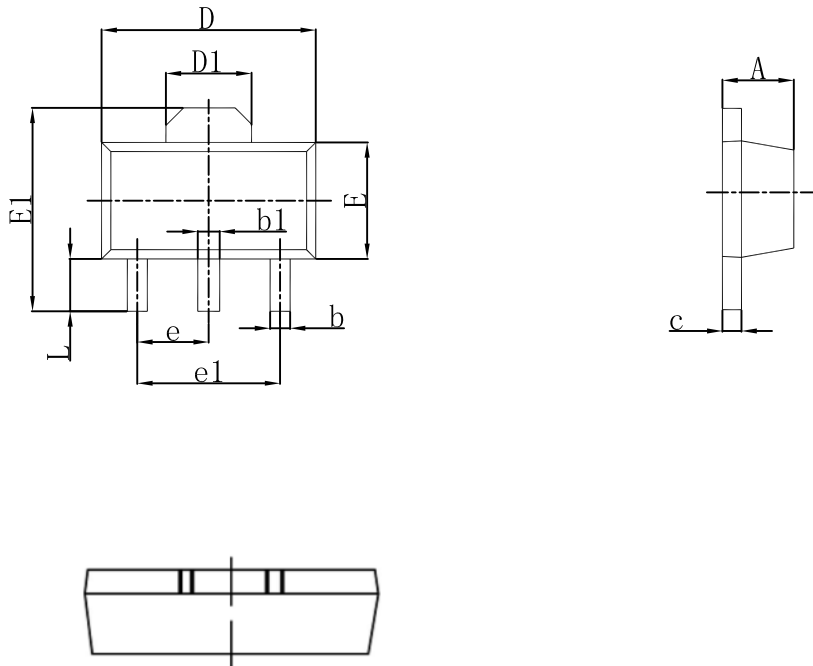
ELECTRICAL CHARACTERISTICS (Ta=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C=-1mA, I_E=0$	-60			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=-10mA, I_B=0$	-60			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E=-1mA, I_C=0$	-5			V
Collector cut-off current	I_{CBO}	$V_{CB}=-50V, I_E=0$			-0.01	μA
Emitter cut-off current	I_{EBO}	$V_{EB}=-5V, I_C=0$			-0.01	μA
DC current gain	h_{FE}	$V_{CE}=-10V, I_C=-0.1mA$	75			
		$V_{CE}=-10V, I_C=-1mA$	100			
		$V_{CE}=-10V, I_C=-10mA$	100			
		$V_{CE}=-10V, I_C=-150mA$	100		300	
		$V_{CE}=-10V, I_C=-500mA$	50			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=-500mA, I_B=-50mA$			-1.6	V
		$I_C=-150mA, I_B=-15mA$			-0.4	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C=-500mA, I_B=-50mA$			-2.6	V
		$I_C=-150mA, I_B=-15mA$			-1.3	V
Delay time	t_d	$V_{CC}=-30V, I_C=-150mA,$ $I_{B1}=-I_{B2}=-15mA$			12	ns
Rise time	t_r				30	ns
Storage time	t_s				300	ns
Fall time	t_f				65	ns
Transition frequency	f_T	$V_{CE}=-10V, I_C=-20mA, f=100MHz$	200			MHz





SOT-89-3L Outlines Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.400	1.600	0.055	0.063
b	0.320	0.520	0.013	0.020
b1	0.400	0.580	0.016	0.023
c	0.350	0.440	0.014	0.017
D	4.400	4.600	0.173	0.181
D1	1.550 REF.		0.061 REF.	
E	2.300	2.600	0.091	0.102
E1	3.940	4.250	0.155	0.167
e	1.500 TYP.		0.060 TYP.	
e1	3.000 TYP.		0.118 TYP.	
L	0.900	1.200	0.035	0.047