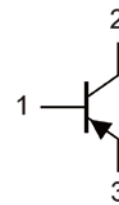


Features

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



SOT-89-3L



Equivalent Circuit

Absolute Maximum Ratings($T_A=25^{\circ}\text{C}$)

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	-0.6	A
P_C	Collector Power Dissipation	0.5	W
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	250	$^{\circ}\text{C/W}$
T_J, T_{stg}	Operation Junction And Storage Temperature Range	-55 ~ +150	$^{\circ}\text{C}$

Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

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

Ordering information

Product ID	Pack	Naming rule	Marking	$h_{FE}(1)$	Qty(PCS)
PXT2907A	SOT-89-3L	PXT2907A 产品名称 product name	2F	100-300	1000



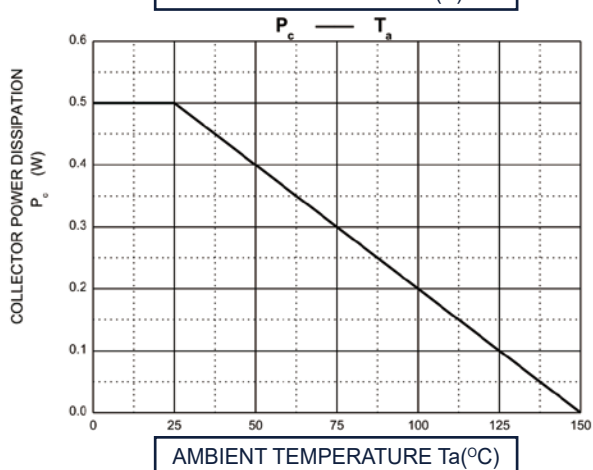
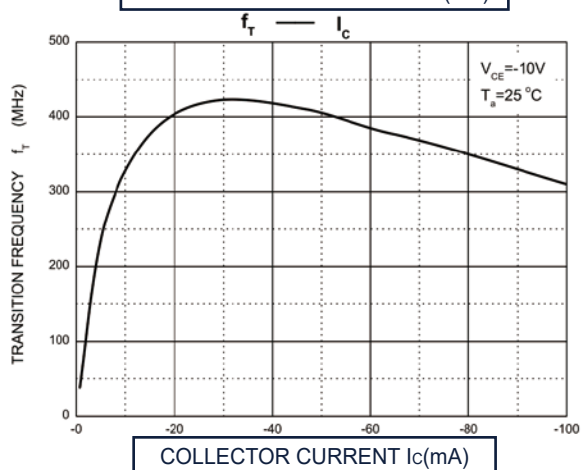
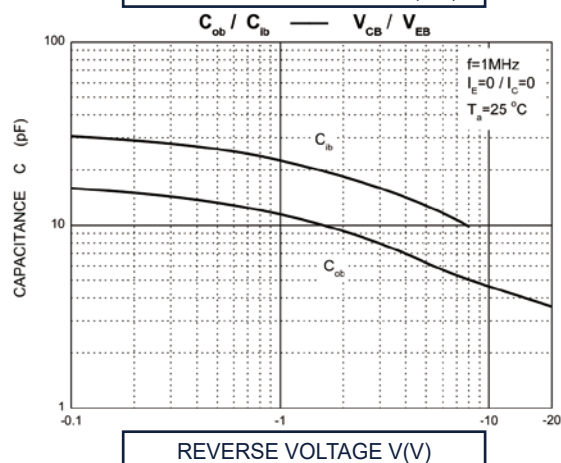
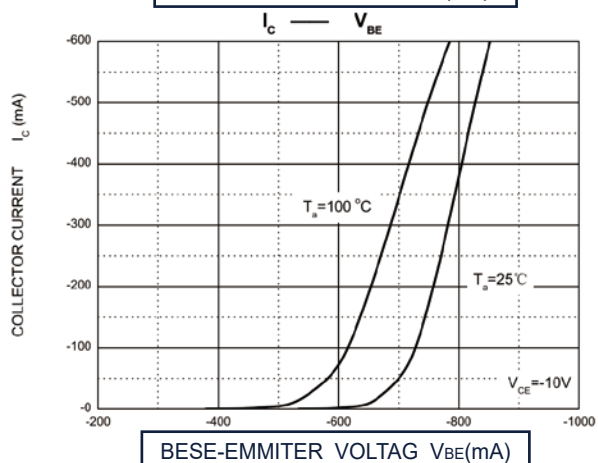
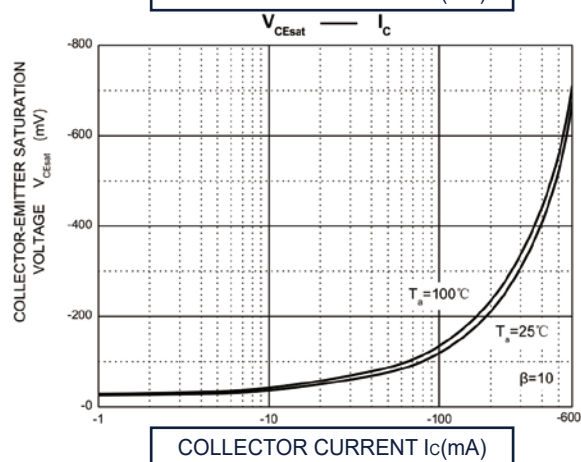
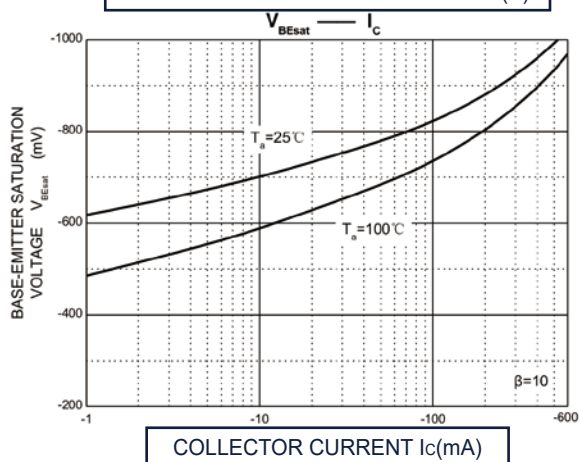
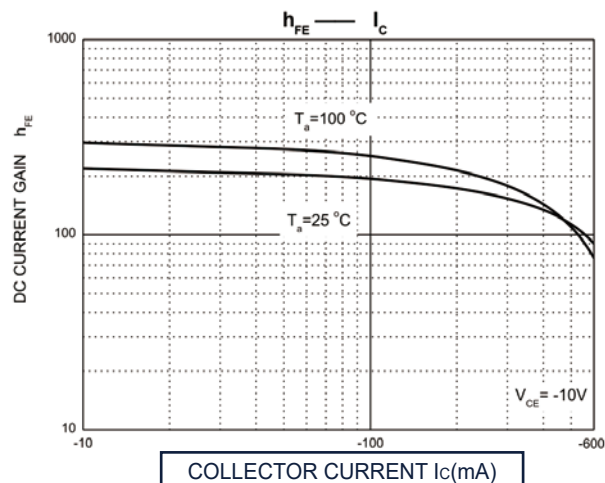
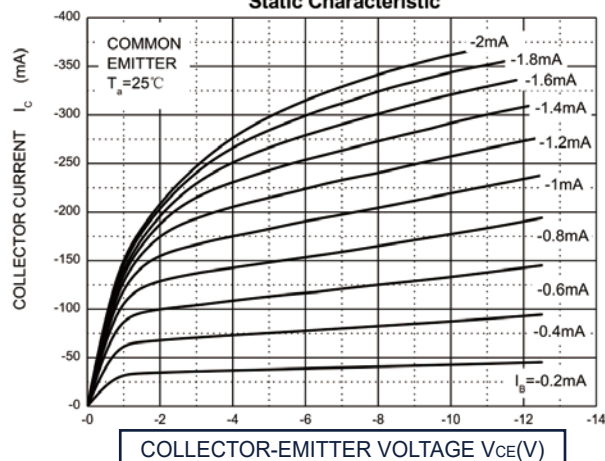
TWTLSEMI

TL-PXT2907A

SOT-89-3L Plastic-Encapsulate Transistors (PNP)

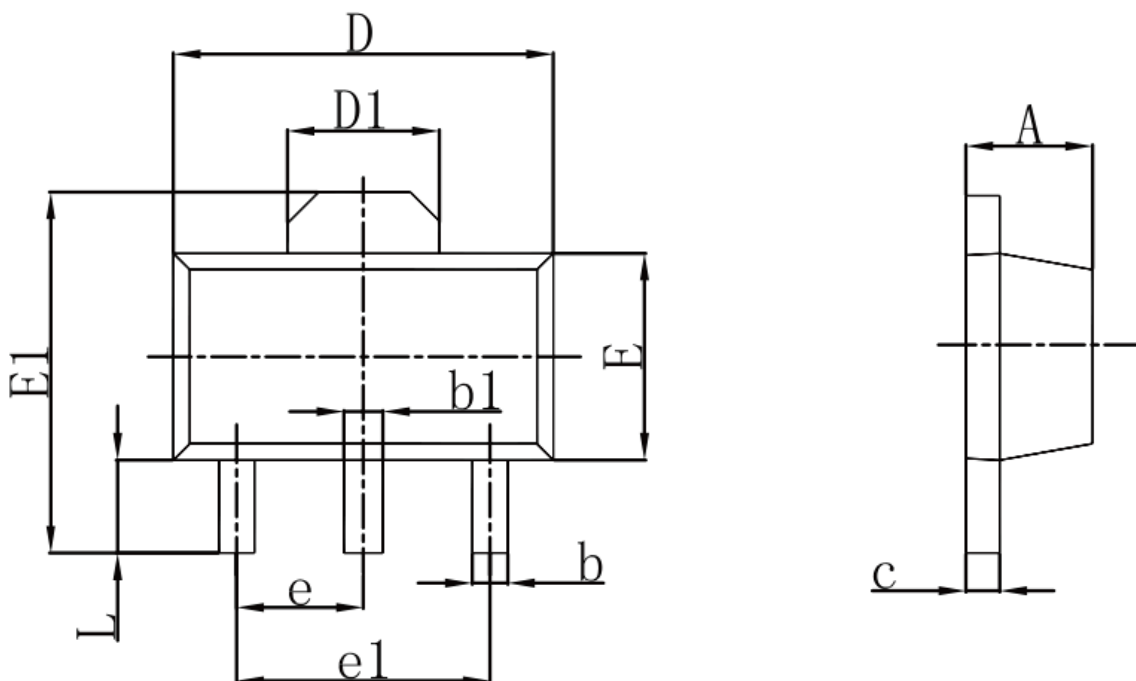
Typical Characteristics

Static Characteristic





SOT-89-3L Package Outline 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