



Micro Commercial Components
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PZT2907A

PNP Plastic-Encapsulate Transistors

Features

- Surface Mount SOT-223 Package
- Capable of 1000mWatts of Power Dissipation

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage* ($I_C=-1mA$, $I_B=0$)	-60		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=-100\mu A$, $I_E=0$)	-60		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=-100\mu A$, $I_C=0$)	-5.0		Vdc
I_{EBO}	Emitter Cutoff Current ($V_{EB}=-5V$, $I_C=0V$)		-50	nAdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=-50V$, $I_E=0$)		-0.01	μA

ON CHARACTERISTICS

h_{FE}	DC Current Gain* ($I_C=0.1mA$, $V_{CE}=-10V$) ($I_C=1.0mA$, $V_{CE}=-10V$) ($I_C=10mA$, $V_{CE}=-10V$) ($I_C=150mA$, $V_{CE}=-10V$) ($I_C=500mA$, $V_{CE}=-10V$)	75 100 100 100 50	300	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=150mA$, $I_B=15mA$) ($I_C=500mA$, $I_B=50mA$)		-0.4 -1.6	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C=150mA$, $I_B=15mA$) ($I_C=500mA$, $I_B=50mA$)		-1.3 -2.6	Vdc

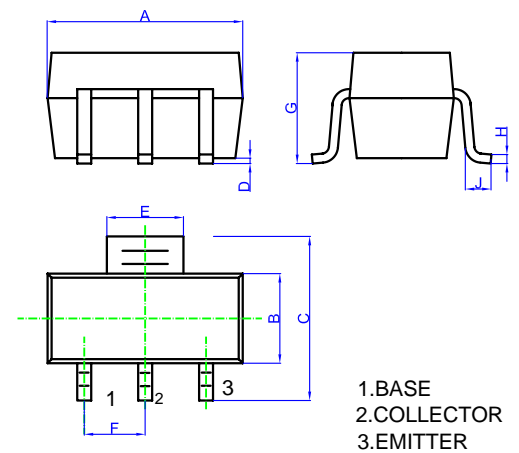
SMALL-SIGNAL CHARACTERISTICS

f_T	Current Gain-Bandwidth Product ($I_C=50mA$, $V_{CE}=20V$, $f=100MHz$)	200		MHz
C_{cbo}	Output Capacitance ($V_{CB}=-10V$, $I_E=0$, $f=100kHz$)		8.0	pF
C_{ibo}	Input Capacitance ($V_{EB}=-2.0V$, $I_C=0$, $f=100kHz$)		30.0	pF

SWITCHING CHARACTERISTICS

t_d	Delay Time	$I_C=150mA$, $I_{B1}=-I_{B2}=-15mA$	12	ns
t_r	Rise Time		30	ns
t_s	Storage Time		300	ns
t_f	Fall Time		65	ns

SOT-223



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	6.30	6.70	.248	.264	
B	3.31	3.71	.130	.134	
C	6.71	7.29	.264	.287	
D	0.03	0.10	.001	.004	
E	2.90	3.10	.114	.122	
F	2.29		.090		
G	1.55	1.80	.061	.071	
H	0.23	0.33	.009	.013	
J	0.82	---	.032	---	