



Micro Commercial Components



Micro Commercial Components
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PXT2907A

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- I_{CM} : 0.6A
- Operating and Storage Junction Temperatures: -55°C to 150°C
- Marking:p2F

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
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OFF CHARACTERISTICS

$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage* ($I_C = -10\text{mA}$, $I_B = 0$)	-60		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C = -1\text{mA}$, $I_E = 0$)	-60		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E = -1\text{mA}$, $I_C = 0$)	-5.0		Vdc
I_{EBO}	Emitter Cut-off Current ($I_C = 0$, $V_{EB} = -5\text{Vdc}$)		-0.01	μA
I_{CBO}	Collector Cutoff Current ($V_{CB} = -50\text{Vdc}$, $I_E = 0$)		-0.01	μA

ON CHARACTERISTICS

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

SMALL-SIGNAL CHARACTERISTICS

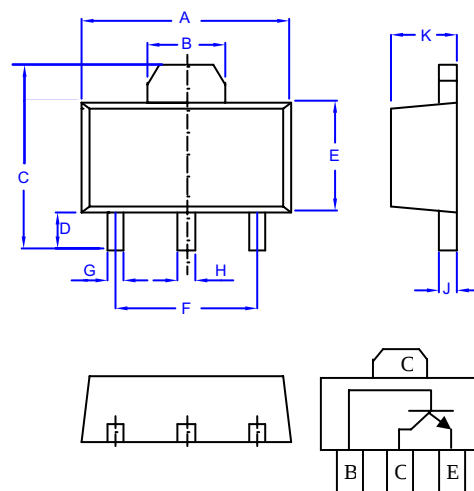
f_T	Current Gain-Bandwidth Product ($I_C = -20\text{mA}$, $V_{CE} = -10\text{Vdc}$, $f = 100\text{MHz}$)	200		MHz
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SWITCHING CHARACTERISTICS

t_d	Delay Time	($V_{CC} = -30\text{Vdc}$, $I_C = -150\text{mA}$)	12	ns
t_r	Rise Time	$I_{B1} = I_{B2} = -15\text{mA}$	30	ns
t_s	Storage Time	($V_{CC} = -30\text{Vdc}$, $I_C = -150\text{mA}$)	300	ns
t_f	Fall Time	$I_{B1} = I_{B2} = -15\text{mA}$	65	ns

0.5W
PNP General
Purpose Amplifier

SOT-89



DIMENSINS					
DIM	INCHES		MM		NOTES
	MIN	MAX	MIN	MAX	
A	.173	.181	4.39	4.60	REF.
B	.061	----	1.55	----	
C	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	TYP
F	.118	----	3.00	----	
G	.013	.019	0.33	0.48	
H	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
K	.055	.063	1.40	1.60	

www.mccsemi.com

Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel; 1Kpcs/Reel

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