



PXT2907A

0.5W PNP General Purpose Amplifier

Features

- Halogen free available upon request by adding suffix "-HF"
- 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 =-10mA, I _B =0)	-60		Vdc
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =-1mA, I _E =0)	-60		Vdc
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =-1mA, I _C =0)	-5.0		Vdc
I _{EBO}	Emitter Cut-off Current (I _C =0, V _{EB} =-5Vdc)		-0.01	uAdc
I _{CBO}	Collector Cutoff Current (V _{CB} =-50Vdc, I _E =0)		-0.01	uAdc

ON CHARACTERISTICS

h _{FE}	DC Current Gain (I _C =-0.1mA, V _{CE} =-10Vdc)	75	300	Vdc
	(I _C =-1.0mA, V _{CE} =-10Vdc)	100		
	(I _C =-10mA, V _{CE} =-10Vdc)	100		
	(I _C =-150mA, V _{CE} =-10Vdc)	100		
	(I _C =-500mA, V _{CE} =-10Vdc)	50		
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =-150mA, I _B =-15mA)		-0.4	Vdc
	(I _C =-500mA, I _B =-50mA)		-1.6	
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _C =-150mA, I _B =-15mA)		-1.3	Vdc
	(I _C =-500mA, I _B =-50mA)		-2.6	

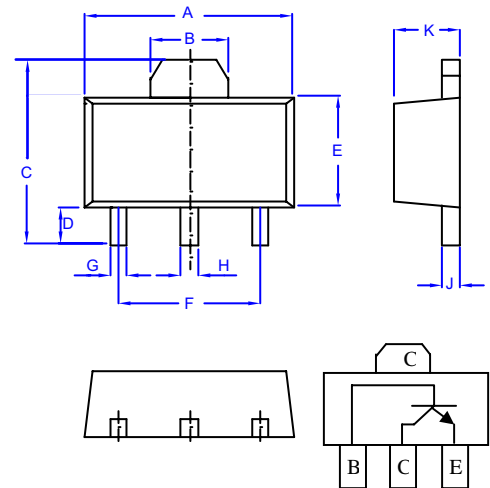
SMALL-SIGNAL CHARACTERISTICS

f _T	Current Gain-Bandwidth Product (I _C =-20mA, V _{CE} =-10Vdc, f=100MHz)	200		MHz
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SWITCHING CHARACTERISTICS

t _d	Delay Time (V _{CC} =-30Vdc, I _C =-150mA)	12	ns
t _r	Rise Time (I _{B1} =I _{B2} =-15mA)	30	ns
t _s	Storage Time (V _{CC} =-30Vdc, I _C =-150mA)	300	ns
t _f	Fall Time (I _{B1} =I _{B2} =-15mA)	65	ns

SOT-89



DIM	DIMENSIONS				NOTES
	INCHES		MM		
A	.173	.181	4.39	4.60	
B	.061	----	1.55	----	REF.
C	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	
F	.118	----	3.00	----	TYP
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	



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Ordering Information :

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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