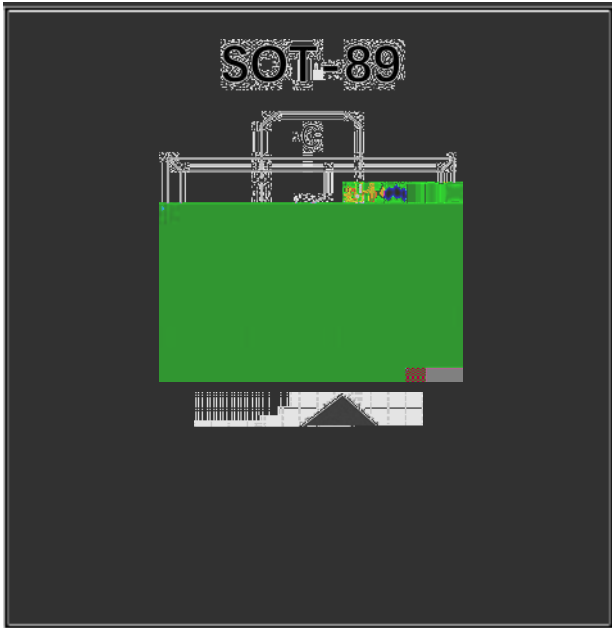


PNP General Purpose Amplifier



Features

- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix "HF"
- Moisture Sensitivity Level 1
- High-speed switching

Mechanical Data

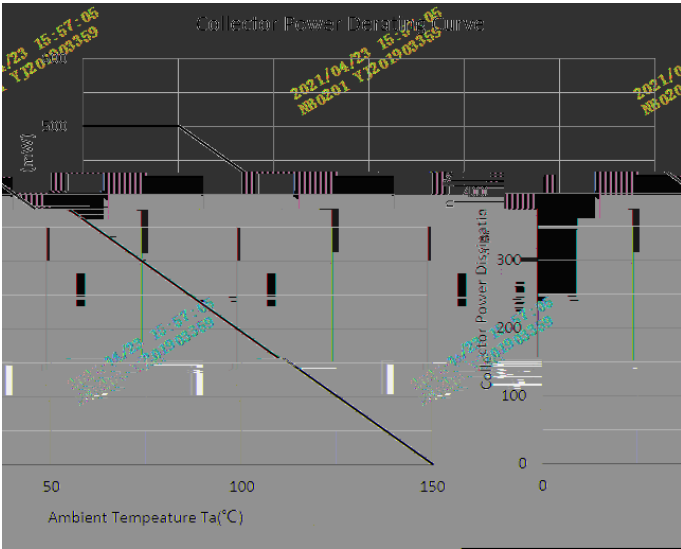
- Package:** SOT-89
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Marking:** p2F

Maximum Ratings (Ta=25 unless otherwise noted)

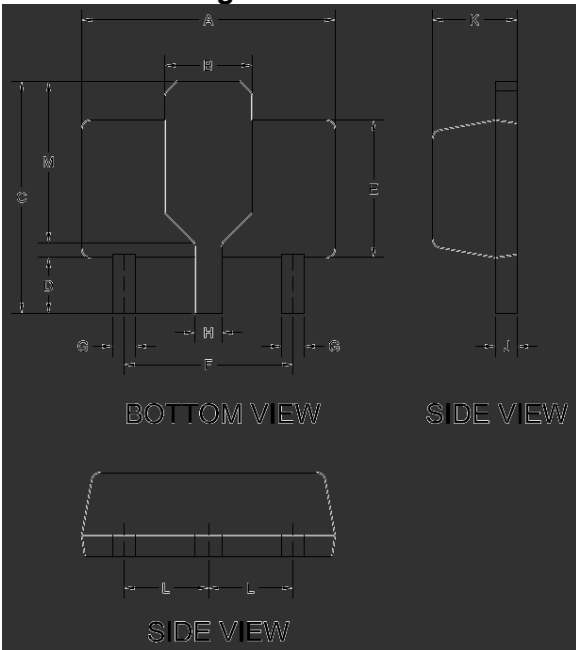
Item	Symbol	Unit	Conditions	Value
Minimum Collector-Emitter Voltage	V_{CEO}	V	$I_C = -10\text{mA}$, I_B	
Minimum Emitter-Base Voltage	V_{EBO}	V	$I_E = -1\text{mA}$, $I_C = 0$	-5
Collector Current	I_C	mA		-600
Collector Power Dissipation	P_C	mW		500
Thermal Resistance From Junction To Ambient	R_{JA}	/W		250
Operation Junction Temperature	T_j			-55 to +150
Storage Temperature	T_{stg}			-55 to +150



Characteristics

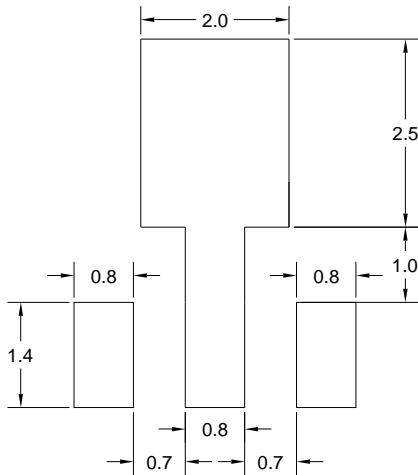


SOT-89 Package Outline Dimensions



DIM.	DIMENSIONS				
	INCHES		MM		
	MIN.	MAX.	MIN.	MAX.	
A	0.173	0.181	4.400	4.600	
B	0.061 TYP.		1.550 TYP.		
C	0.155	0.167	3.940	4.250	
D	1.200	1.0	0.031	0.047	0.800
E	2.600	2.4	0.094	0.102	2.400
F	3.00 TYP.	2.8	0.118 TYP.	0.118	3.000
G	0.480	0.45	0.014	0.019	0.360
H	0.560	0.53	0.017	0.022	0.440
I	0.017	0.017	0.440	0.440	0.440
J	0.063	0.063	1.400	1.600	0.063
K	1.500 TYP.	1.5	0.059 TYP.	0.059	1.500
L	2.750 TYP.	2.75	0.108 TYP.	0.108	2.750
M					

SOT-89 Suggested Pad Layout



UNIT:MM



Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.