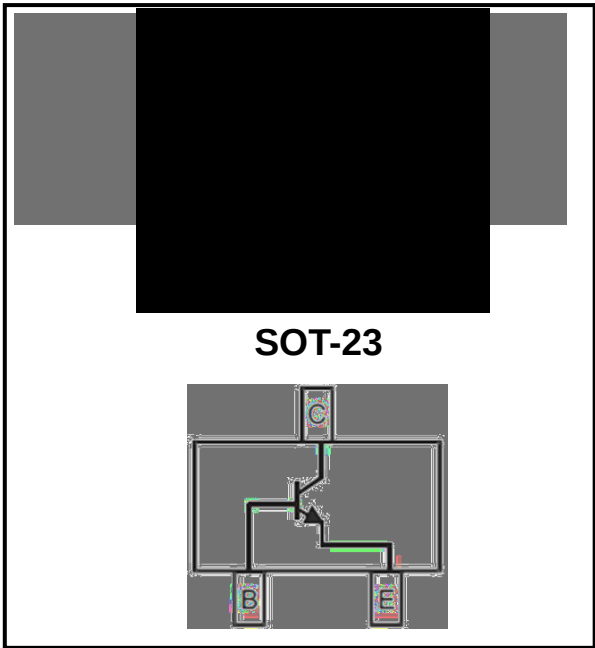


NPN General Purpose Amplifier



Features

- Epoxy meets UL 94V-0 flame retardancy requirements. AEC-Q101 qualified.

Mechanical Data

- Package: SOT-23
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Marking 491

■ Maximum Ratings (Ta=25 Unless otherwise specified)

Item	Symbol	Unit	Value
Collector-Base Voltage	V_{CBO}	V	80
Collector-Emitter Voltage	V_{CEO}	V	60
Collector Current	I_C	A	1
Collector Power Dissipation (*)	P_C	mW	300
Thermal Resistance From Junction to Ambient (*)	$R_{\theta JA}$	K/W	417
Operation Junction Temperature	T_J		-55 to +150
Storage Temperature	T_{STG}		-55 to +150

(*) Device mounted on FR-4 PCB 1.0 x 1.0 x 0.06 inch

,WHP	6\PERO	8QLW	&RQGLWLRQV	0LQ	7\SH	0D[
&ROOHFWRU EDVH EUHDNGRZQ YROWDJH	&%2	WDJH	& \$ (9 9	,		
&ROOHFWRU HPLWWHU EUHDNGRZQ YROWDJH	&%2	YROWDJH	& P\$%, 99	,		
(PLWWHU EDVH EUHDNGRZQ YROWDJH	(%2	JH	(\$ & 9	,		
&ROOHFWRU %DVH FXW RII FXUUHQW	&%2	W	9&% 9 (, X \$			
(PLWWHU %DVH FXW RII FXUUHQW	(%2		9(% ,9 &, X \$			
'& FXUUHQW JDLQ	K(		9&(9 & P\$			
	K(		9(9 & P\$			
	K(		9(9 & \$			
	K(		9(9 & \$			
&ROOHFWRU HPLWWHU VDWXUDWLRQ YROWDJH	&%2	9	& P\$ % P\$			
		9	& \$ % P\$			
%DVH HPLWWHU VDWXUDWLRQ YROWDJH	%(YVW		& \$ % 99\$	,		
%DVH HPLWWHU YROWDJH	%(		9&(9 & \$ 9	9		
7UDQVLWLRQ IUHTXHQF\	7		I &(9 &, 0 P\$ I +0 +]	]		9
&ROOHFWRU %DVH 2XWSXW &DSDFLWDQFH			9&% 9 (,&RLE 0+] S)			

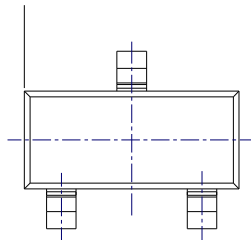
v 2 U G H U L Q J , Q I R (U D D S W O R Q

35()(5(' 3 1	3\$&.,1* &2'('	81,7 :(',*+7 J	0,1,080 3\$&.\$*(SFV	,11(5 %2; 48\$17,7< SFV	287(5 &\$5723 48\$17,7< SF	'(/,9(5< 02'('
)007 4	)	\$SSUR[LPDWH				

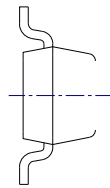




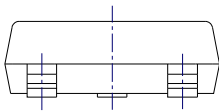
■SOT-23 Package Outline Dimensions & Suggested Pad Layout



TOP VIEW



SIDE VIEW



UNIT mm

SUGGESTED SOLDER PAD LAYOUT



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 automotive electronics are not designed for use in medical, life-saving, lifesustaining, or military. 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.