



YJL3134KA

N-Channel Enhancement Mode Field Effect Transistor

Product Summary

V_{DS}	20 V
I_D	0.9 A
$R_{DS(ON)}$ (at $V_{GS}=4.5V$)	300 mohm
$R_{DS(ON)}$ (at $V_{GS}=2.5V$)	400 mohm
$R_{DS(ON)}$ (at $V_{GS}=1.8V$)	700 mohm
ESD Protected Up to 2.0KV (HBM)	

General Description

Trench Power LV MOSFET technology
 High Power and current handing capability
 Epoxy Meets UL 94 V-0 Flammability Rating
 Halogen Free

Applications

PWM application
 Load switch

Absolute Maximum Ratings ($T_A=25$ unless otherwise noted)

Parameter	Symbol	Limit	Unit
Drain-source Voltage	V_{DS}	20	V
Gate-source Voltage	V_{GS}	± 12	V
Drain Current	I_D	$T_A=25$ @ Steady State	0.9
		$T_A=70$ @ Steady State	0.7
Pulsed Drain Current ^A	I_{DM}	3.5	A
Total Power Dissipation @ $T_A=25$	P_D	0.35	W
Thermal Resistance Junction-to-Ambient @ Steady State	R_{JA}	357	/W
Junction and Storage Temperature Range	T_J, T_{STG}	-55 +150	

Ordering Information

PREFERRED P/N	PACKING CODE	Marking	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
YJ						



YJL3134KA

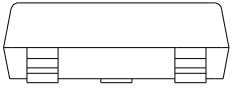
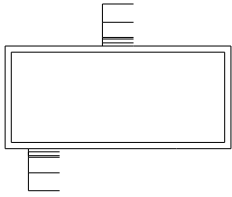
Electrical Characteristics ($T_J=25$ unless otherwise noted)







SOT-23 Package information



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 agent.