



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
- Moisture Sensitivity Level 1
- 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	$T_A=25$ @ Steady State	I_D	0.9	A
	$T_A=70$ @ 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_{dJA}	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
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YJ



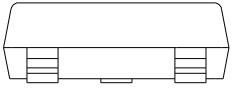
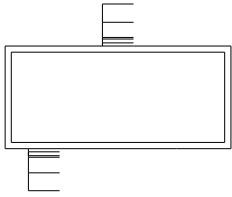
γ **Electrical Characteristics** ($T_J=25$ unless otherwise noted)







ySOT-23 Package information



UNIT mm



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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.

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