



YJL3134KA

N-Channel Enhancement Mode Field Effect Transistor

Product Summary

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

General Description

- χ Trench Power LV MOSFET technology
- χ High Power and current handing capability
- χ Moisture Sensitivity Level 1
- χ Epoxy Meets UL 94 V-0 Flammability Rating
- χ Halogen Free

Applications

- χ PWM application
- χ Load switch

Ω 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		$R_{\theta JA}$	357	/ W
Junction and Storage Temperature Range		T_J, T_{STG}	-55 +150	

Ω 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



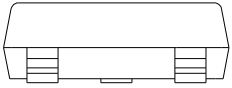
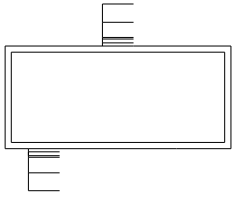
Ω **Electrical Characteristics** (T_j=25 unless otherwise noted)







ΩSOT-23 Package information



UNIT mm



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