

isc N-Channel MOSFET Transistor

2SK564

FEATURES

- Drain Current –I_D=32A@ T_C=25 °C
- · Drain Source Voltage-
 - : V_{DSS}= 100V(Min)
- · Fast Switching Speed
- · 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

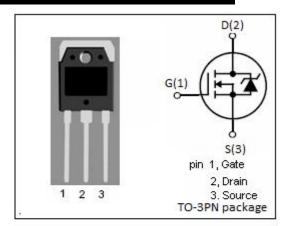


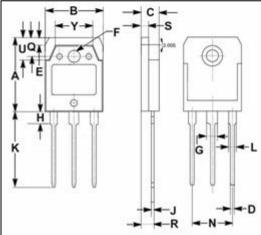
DESCRIPTION

• Designed for use in switch mode power supplies and general purpose applications.



SYMBOL	PARAMETER	VALUE	UNIT
V _{DSS}	Drain-Source Voltage	100	V
V _{GS}	Gate-Source Voltage-Continuous	±20	V
I _D	Drain Current-Continuous	32	А
P _D	Total Dissipation @T _C =25°C	125	W
TJ	Max. Operating Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature -55~150		$^{\circ}$





	mm		
DIM	MIN	MAX	
Α	19.60	20.30	
В	15.50	15.70	
O	4.70	4.90	
D	0.90	1.10	
E	1.90	2.10	
F	3.40	3.60	
G	2.90	3.20	
Н	3.20	3.40	
J	0.595	0.605	
K	19.80	20.70	
L	1.90	2.20	
N	10.89	10.91	
Q	4.90	5.10	
R	3.35	3.45	
S	1.995	2.100	
U	5.90	6.20	
Υ	9.90	10.10	



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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _{(BR)DSS}	Drain-Source Breakdown Voltage	V _{GS} = 0; I _D = 0.25mA	100			V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} = V _{GS} ; I _D = 1mA	2.1		4.0	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} = 10V; I _D = 16A			0.06	Ω
I _{GSS}	Gate-Body Leakage Current	V _{GS} = ±20V;V _{DS} = 0			±100	nA
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} = 100V; V _{GS} =0			1	μА
V _{SD}	Forward On-Voltage	I _S = 32A; V _{GS} =0		1.4	1.7	V

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