

isc N-Channel MOSFET Transistor

2SK1679

DESCRIPTION

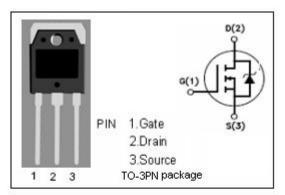
- Drain Current –I_D=20A@ T_C=25 ℃
- · Drain Source Voltage-
 - : V_{DSS}=450V(Min)
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

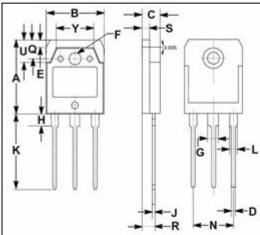


• high Current, high speed power switching

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	ARAMETER	VALUE	UNIT	
V _{DSS}	Drain-Source Voltage (V _{GS} =0)	450	٧	
V _{GS}	Gate-Source Voltage ± 20			
l _D	Drain Current-continuous@ TC=25℃ 20			
P _{tot}	Total Dissipation@TC=25℃ 250		W	
Tj	Max. Operating Junction Temperature	150	$^{\circ}$	
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$	





	mm				
DIM	MIN	MAX			
Α	19.60	20.10			
В	15.50	15.70			
C	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	20.00	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	6.10			
Y	9.90	10.10			



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• ELECTRICAL CHARACTERISTICS (T_C=25°C)

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _{(BR)DSS}	Drain-Source Breakdown Voltage	V _{GS} =0; I _D = 1mA	450			V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} =V _{GS} ; I _D =1mA	2.0		4.0	V
R _{DS(on)}	Drain-Source On-stage Resistance	V _{GS} =10V; I _D =10A			0.30	Ω
I _{GSS}	Gate Source Leakage Current	V _{GS} = ±20V;V _{DS} = 0			±100	nA
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} =450V; V _{GS} = 0			500	uA



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