

isc N-Channel MOSFET Transistor

2SK1529

DESCRIPTION

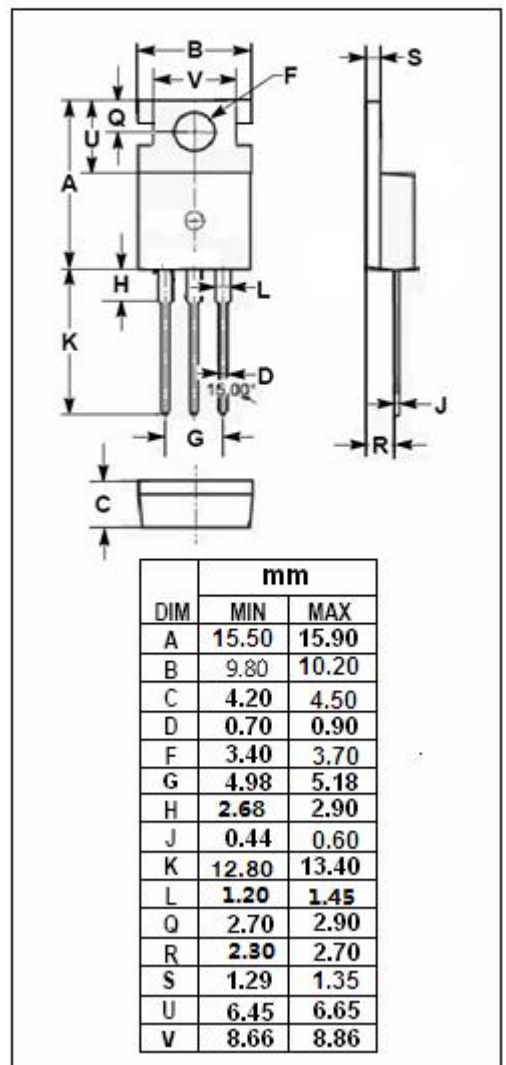
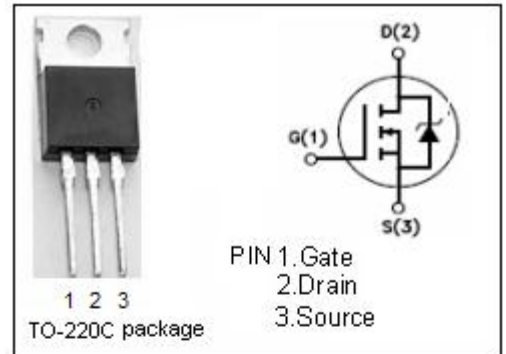
- Drain Current $-I_D = 10A @ T_C = 25^\circ C$
- Drain Source Voltage-
: $V_{DSS} = 180V(\text{Min})$
- Fast Switching Speed
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- High Breakdown Voltage

ABSOLUTE MAXIMUM RATINGS($T_a = 25^\circ C$)

SYMBOL	ARAMETER	VALUE	UNIT
V_{DSS}	Drain-Source Voltage ($V_{GS}=0$)	180	V
V_{GS}	Gate-Source Voltage	± 20	V
I_D	Drain Current-continuous@ $T_C = 25^\circ C$	10	A
P_{tot}	Total Dissipation@ $T_C = 25^\circ C$	120	W
T_j	Max. Operating Junction Temperature	150	$^\circ C$
T_{stg}	Storage Temperature Range	-55~150	$^\circ C$



isc N-Channel Mosfet Transistor**2SK1529****• ELECTRICAL CHARACTERISTICS (T_c=25°C)**

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{(BR)DSS}	Drain-Source Breakdown Voltage	V _{GS} =0; I _D = 10mA	180		V
V _{GS(OFF)}	Gate –Source Cut-off Voltage	V _{DS} =10V; I _D = 0.1A	0.8	2.8	V
I _{GSS}	Gate Source Leakage Current	V _{GS} = ±20V; V _{DS} = 0		±500	nA
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} = 180V; V _{GS} = 0		1	mA
V _{SD}	Diode Forward Voltage	I _D = 6A; V _{GS} = 10V		5.0	V

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