

این دیتاشیت توسط توکل الکترونیک تهیه و ارائه شده است.
جهت مشاهده قیمت، موجودی و ثبت سفارش این قطعه به وبسایت توکل الکترونیک مراجعه فرمایید.



مشاهده قیمت و خرید

برای خرید و مشاهده سایر محصولات کلیک کنید



isc®

INCHANG SEMICONDUCTOR

isc N-Channel MOSFET Transistor

2SK1205

FEATURES

- Drain Current - $I_D = 5A @ T_C = 25^\circ C$
- Drain Source Voltage - $V_{DSS} = 1000V (Min)$
- Static Drain-Source On-Resistance
- $R_{DS(on)} = 2.0\Omega (Max) @ V_{GS} = 10V$

DESCRIPTION

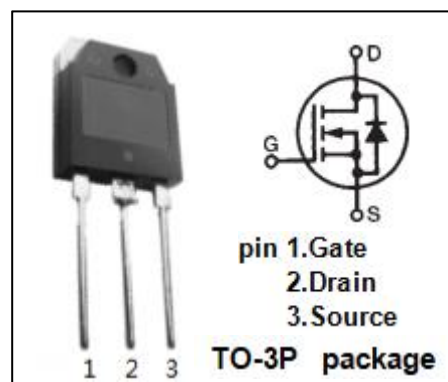
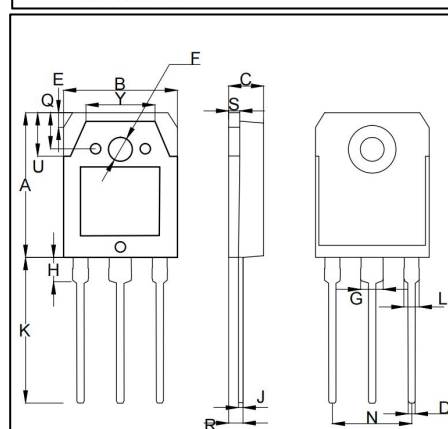
- Motor drive, DC-DC converter, power switch and solenoid drive.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{DSS}	Drain-Source Voltage	1000	V
V_{GS}	Gate-Source Voltage-Continuous	± 20	V
I_D	Drain Current-Continuous	5	A
I_{DM}	Drain Current-Single Pulse	15	A
P_D	Total Dissipation @ $T_C = 25^\circ C$	100	W
T_J	Max. Operating Junction Temperature	150	$^\circ C$
T_{stg}	Storage Temperature	-55~150	$^\circ C$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th j-c}$	Thermal Resistance, Junction to Case	1.25	$^\circ C/W$



DIM	mm		
	MIN	TYP.	MAX
A	19.70	19.95	20.20
B	15.45	15.60	15.75
C	4.70	4.80	4.90
D	0.90	1.00	1.10
E	1.80	2.00	2.20
F	3.40	3.50	3.60
G	2.95	3.10	3.25
H	3.10	3.25	3.40
J	0.50	0.60	0.70
K	19.80	20.00	20.20
L	2.00	2.10	2.20
M	13.30	13.60	13.90
N	10.80	10.90	11.00
Q	4.25	4.68	5.10
R	1.75	2.03	2.30
S	1.40	1.50	1.60
U	5.90	6.05	6.20
Y	9.45	9.60	9.75

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ELECTRICAL CHARACTERISTICS ($T_c=25^{\circ}\text{C}$ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{(BR)DSS}$	Drain-Source Breakdown Voltage	$V_{GS}=0$; $I_D=10\text{mA}$	1000	--	V
I_{DSS}	Zero Gate Voltage Drain Current	$V_{DS}=800\text{V}$; $V_{GS}=0\text{V}$	--	250	μA
I_{GSS}	Gate-Body Leakage Current	$V_{GS}=\pm 16\text{V}$; $V_{DS}=0\text{V}$	--	± 10	μA
$V_{GS(th)}$	Gate Threshold Voltage	$V_{DS}=V_{GS}$; $I_D=1\text{mA}$	2.0	4.0	V
$R_{DS(on)}$	Drain-Source On-Resistance	$V_{GS}=10\text{V}$; $I_D=3\text{A}$	--	2.0	Ω
V_{SD}	Forward On-Voltage	$I_S=5\text{A}$; $V_{GS}=0\text{V}$	--	3.0	V

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