

isc N-Channel MOSFET Transistor

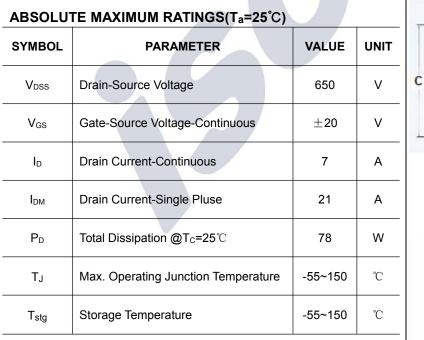
R6507ENJ

FEATURES

- Drain Current –I_D= 7A@ T_C=25 $^\circ\!\mathrm{C}$
- Drain Source Voltage-: V_{DSS}=650V(Min)
- Static Drain-Source On-Resistance
- : R_{DS(on)} = 665m Ω (Max)
- 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.



PARAMETER

Thermal Resistance, Junction to Case

MAX

1.6

UNIT

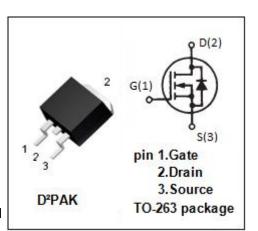
°C/W

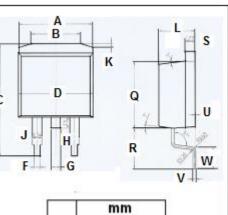
isc website: www.iscsemi.com

THERMAL CHARACTERISTICS

SYMBOL

Rth j-c





0.200101	mm	
DIM	MIN	MAX
A	1	0
В	6.6	6.8
С	15.23	15.25
D	10.15	10.17
F	0.76	0.78
G	1.26	1.28
Н	1.4	1.6
J	1.33	1.35
K	0.4	0.6
L	4.6	4.8
0	8.69	8.71
R	5.28	5.30
S	1.26	1.28
U	0.0	0.2
v	0.37	0.39
W	2.80	2.82



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ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	МАХ	UNIT
V(BR)DSS	Drain-Source Breakdown Voltage	V _{GS} = 0; I _D = 1mA	650		V
V _{GS} (th)	Gate Threshold Voltage	V _{DS} = V _{GS} ; I _D =200uA	2	4	V
$R_{\text{DS(on)}}$	Drain-Source On-Resistance	V _{GS} = 10V; I _D =2.4A		665	mΩ
I _{GSS}	Gate-Body Leakage Current	V _{GS} = ±20V;V _{DS} = 0		±100	nA
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} = 650V; V _{GS} = 0 V _{DS} = 650V; V _{GS} = 0@T _J =125°C		100 1000	μA
V _{SD}	Forward On-Voltage	I _S = 7A; V _{GS} = 0		1.5	V

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