

Positive temperature coefficient
Temperature-independent switching
Maximum working temperature at 175 °C
Unipolar devices and zero reverse recovery current
Zero forward recovery current
Essentially no switching losses
Reduction of heat sink requirements
High-frequency operation
Reduction of EMI

Typical applications are in power factor correction(PFC), solar inverter, uninterruptible power supply, motor drives, photovoltaic inverter, electric car and charger.

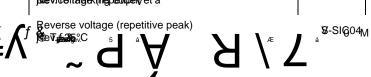
: TO-263

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

: Tin plated leads : As marked

(T<sub>C</sub>=25 Unless otherwise specified)

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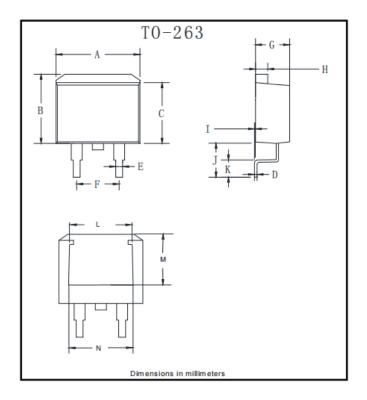


Forward voltage drop	V <sub>F</sub>	V	I <sub>F</sub> =10A, T <sub>j</sub> =25°C	1.35	1.55
r orward voltage drop			I <sub>F</sub> =10A, T <sub>j</sub> =175°C	1.8	-
Poverse leakage current		μА	V <sub>R</sub> =650V, T <sub>j</sub> =25°C	0.5	25
Reverse leakage current	I <sub>R</sub>		V <sub>R</sub> =650V, T <sub>j</sub> =175°C	2	-
Total capacitive charge	Qc	nC	$V_R=400V, T_j=25^{\circ}C,$ $QC={_0}^{VR}C(V)dV$	30	-
	С	pF	V <sub>R</sub> =0V, f=1MHZ	543	-
Total capacitance			V <sub>R</sub> =200V, f=1MHZ	55	-
			V <sub>R</sub> =400V, f=1MHZ	52	-
Capacitance Stored Energy	Ec	μJ	V <sub>R</sub> =400V	3.7	-

(Ta=25 Unless otherwise specified)

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Thermal resistance	R <sub>J-C</sub>	°C W	1.1





TO-263					
Dim	Min	Max			
Α	9.5	11.5			
В	9.7	10.5			
С	8.4	9.0			
D	0.28	0.64			
Е	0.68	0.94			
F	4.55	5.6			
G	4.04	5.10			
Н	1.14	1.4			
I	0	0.2			
J	4.9	6.05			
K	1.79	2.79			
L	7.3	7.9			
М	6.2	6.8			
N	7.6	8.2			



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