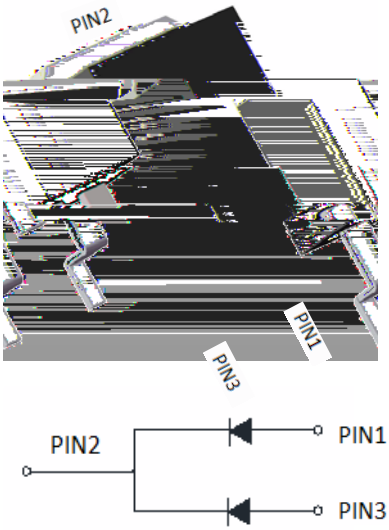
RoHS
COMPLIANT



- Adopt FRED chip
- Low forward Voltage drop
- Fast reverse recovery time
- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

- : TO-263
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- : As marked

■ (Tj=25 Unless otherwise specified

			-55 ~ +175
Junction Temperature	Tj		-55 ~ +175
Typical Junction capacitance @4V,1MHz	Cj	pF	50

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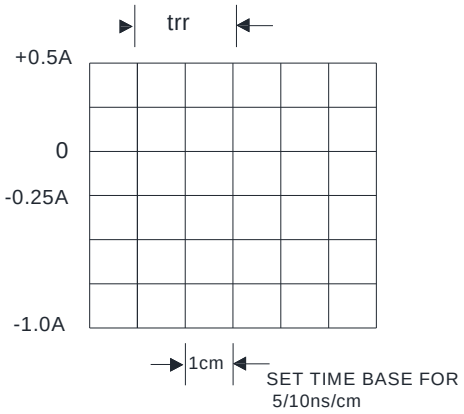
Instantaneous forward voltage drop per diode	V_{FM}	V	I_{FM}=5.0A @Tj=25	-	0.90	1.0
			I_{FM}=5.0A @Tj=150		0.78	0.9
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	uA	V_{RM}=V_{RRM} Tj=25	-	-	5.0
	I_{RRM2}		V_{RM}=V_{RRM} Tj=150	-	25	50
			I_F=0.5A I_{RM}=1A I_{RR}=0.25A Tj=25	-	25	35
Reverse Recovery Time	Trr	ns				

■ (Typical)



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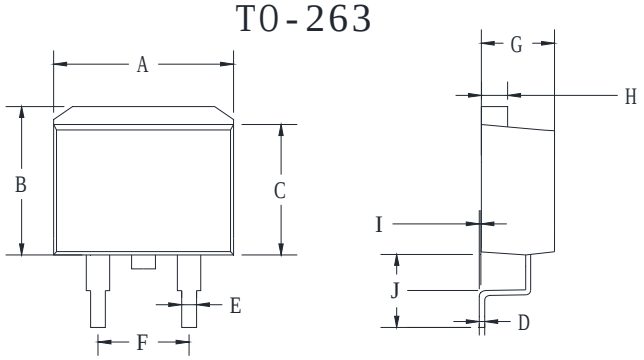
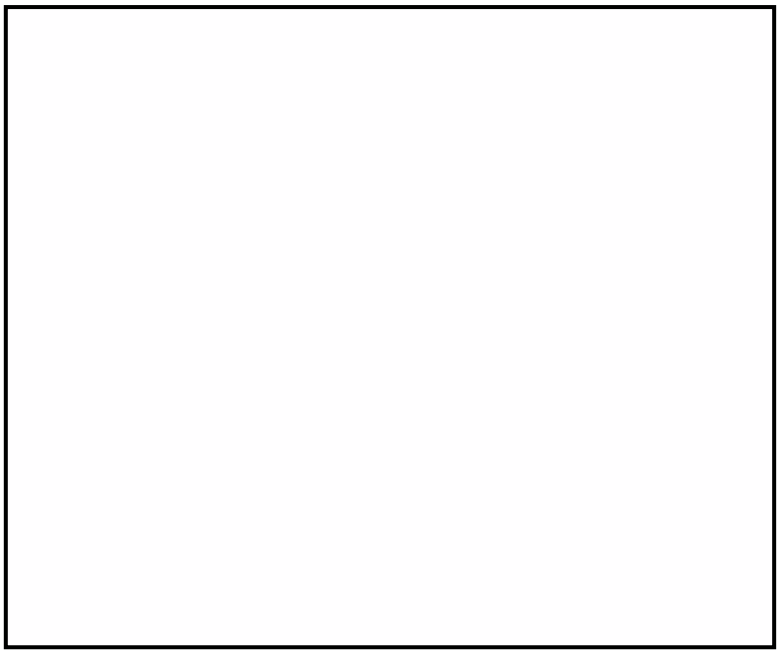
TO-263



Dim	Min	Max
A	9.5	11.5
B	9.7	10.5
C	8.4	9.0
D	0.28	0.64
E	0.68	0.94
F	4.55	5.6
G	4.04	5.10
H	1.14	1.4
I	0	0.2
J	4.9	6.05
K	1.79	2.79
L	7.3	7.9
M	6.2	6.8
N	7.6	8.2

Dimensions in millimeters

■



A	12.7
B	9.4
C	16.6
P	5.08
Q1	3.8
Q2	1.35