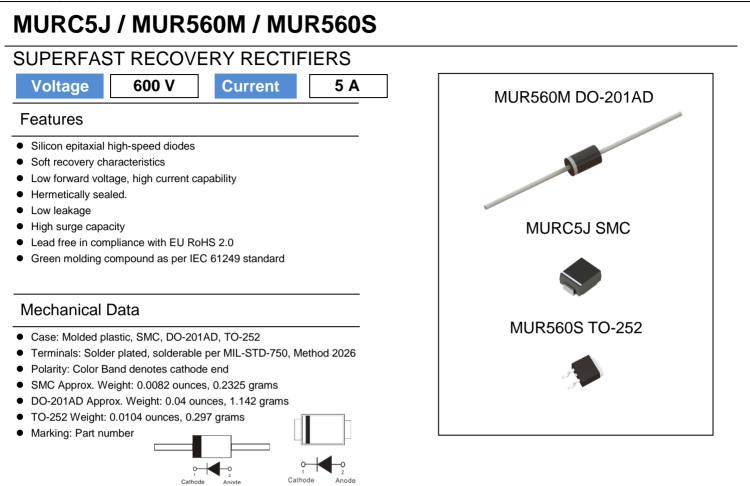
# 

CONDUCTOR



#### Maximum Ratings (T<sub>A</sub>=25°C unless otherwise noted)

PARAMETER		SYMBOL	LIMIT	UNIT
Maximum repetitive peak reverse voltage		Vrrm	600	V
Maximum rms voltage		Vrms	420	V
Maximum dc blocking voltage		Vr	600	V
Maximum average forward current		IF(AV)	5	А
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load	SMC DO-201AD TO-252	Ifsm	110 110 80	A
Maximum forward voltage at 5A		VF	1.3	V
Maximum dc reverse current at rated dc blocking voltage		Ir	5	μA
Maximum reverse recovery time	(Note 5)	Trr	50	ns
Typical thermal resistance	SMC(Note 3) SMC(Note 1) DO-201AD(Note 2) TO-252(Note 4)	Reja Rejc Rejl Rejc	125 14 24 6.5	°C/W
Operating and storage temperature range		TJ, TSTG	-55 to +175	°C

Note : 1. Mounted on a FR4 PCB, single-sided copper, with 100cm<sup>2</sup> copper pad area

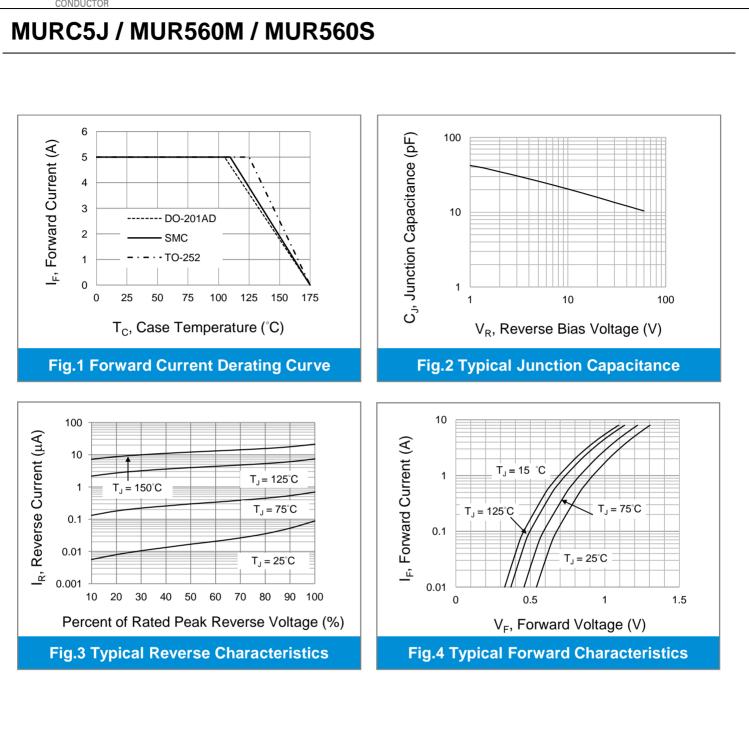
2. The testing condition of the thermal resistance (junction to lead) is based on 10 mm lead length between two 10cm x 10cm x 0.5mm copper pad

3. Mounted on a FR4 PCB, single-sided copper, mini pad

4. Mounted on 10cm x 10cm x 1mm copper pad area

5. Reverse Recovery Test Conditions :  $I_F$ =0.5A,  $I_R$ =1A, Recover to 0.25A





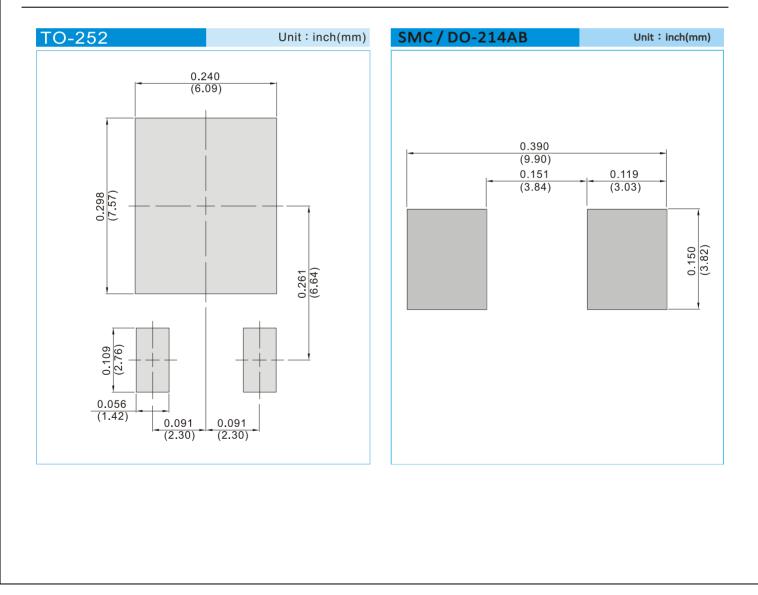


## MURC5J / MUR560M / MUR560S

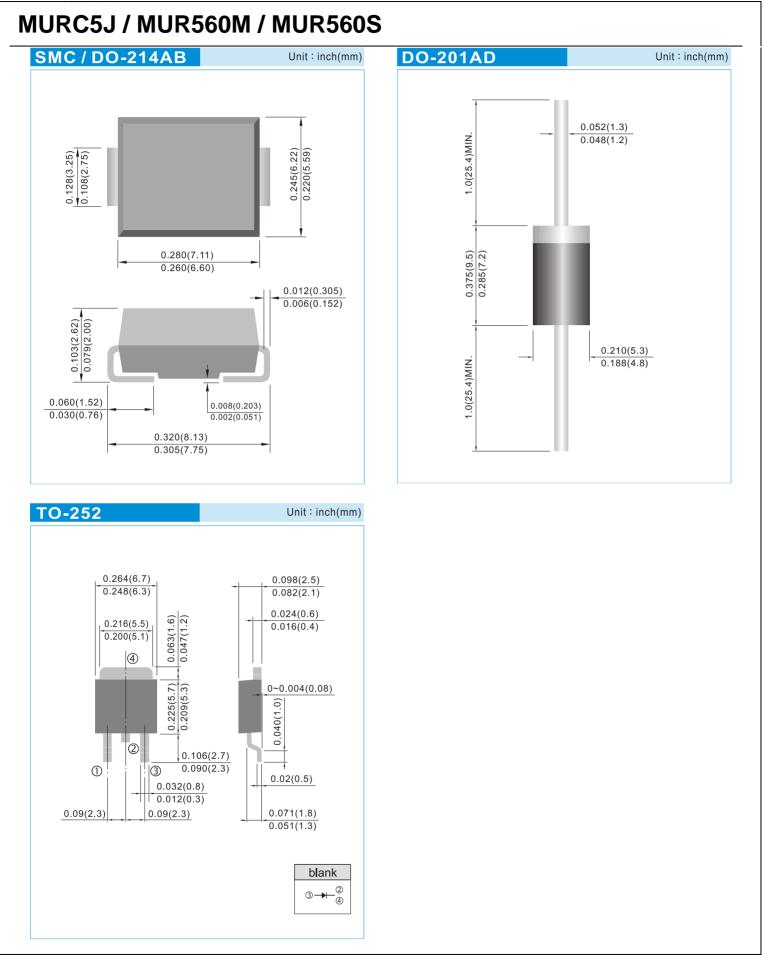
#### **Product and Packing Information**

Part No.	Package Type	Packing Type	Marking
MUR560M	DO-201AD	1.25K pcs / TB 52mm	MUR560M
MUR560S	TO-252	3K pcs / 13" reel	MUR560S
MURC5J	SMC	0.8K pcs / 7" reel	MURC5J

#### Packaging Information & Mounting Pad Layout









MURC5J / MUR560M / MUR560S

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