

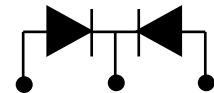
# Dual High-Voltage Schottky Rectifiers

REV: 1.12

<b>Product Character</b>	<ul style="list-style-type: none"> <li>◆ Half Bridge Rectified、Common Cathode Structure.</li> <li>◆ Multilayer Metal -Silicon Potential Structure.</li> <li>◆ Low Power Waste, High Efficiency.</li> <li>◆ Beautiful High Temperature Character.</li> <li>◆ Have Over Voltage protect loop, high reliability.</li> <li>◆ RoHs Product.</li> </ul>
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**Typical Reference Data**

VRRM= 60V  
IF(AV)= 10A

**Polarity**


<b>Primary Use</b>	<ul style="list-style-type: none"> <li>● Low Voltage High Frequency Switching Power Supply.</li> <li>● Low Voltage High Frequency Invers Circuit.</li> <li>● Low Voltage Continued Circuit and Protection Circuit.</li> </ul>
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<b>Summarize</b>	<p>■ SR1060CS Schottky diode, in the manufacture uses the main process technology includes: Silicon epitaxial substrate, P+ loop technology, The potential metal and the silicon alloy technology, the device uses the two chip, the common cathode, the plastic half package structure.</p>
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## Absolute Maximum Ratings

Item	Symbol	SR1060CS	Unit
Maximal Inverted Repetitive Peak Voltage	VRRM	60	V
Maximal DC Interdiction Voltage	VDC	60	V
Average Rectified Forward Current TC=150°C Whole Device	IFAV	10	A
Unilateral		5	
Forward Peak Surge Current (Rated Load 8.3 Half Mssine Wave-According to JEDEC Method)	IFSM	120	A
Operating Junction Temperature	TJ	-40- +150	°C
Storage Temperature	TSTG	-40- +150	°C
Maximum Thermal Resistance Junction-to-Case	RθJC	4.0	°C/W

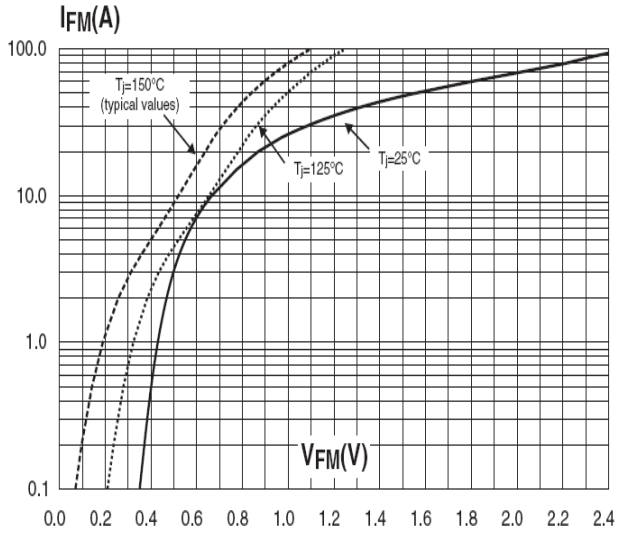
## Electricity Character

Item	Test Condition		Minimum	Representative	Maximum	Unit
IR	TJ =25°C	VR=VRRM			100	uA
	TJ =125°C				10	mA
VF	TJ =25°C	IF=5A			0.65	V

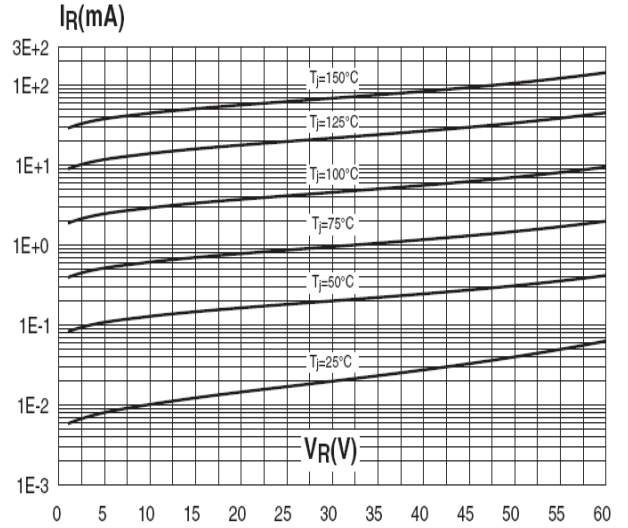
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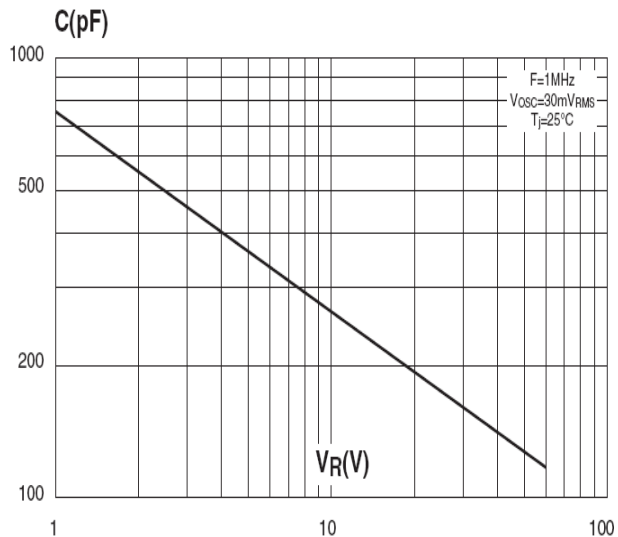
The forward voltage and forward current curve



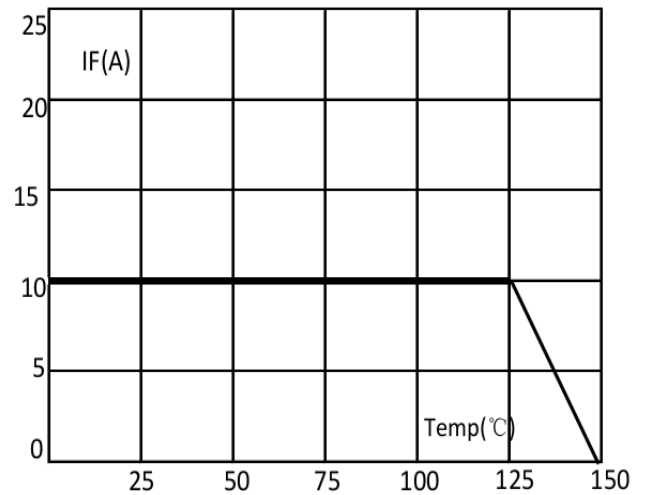
The reverse leak current and the reverse voltage (single-device) curve



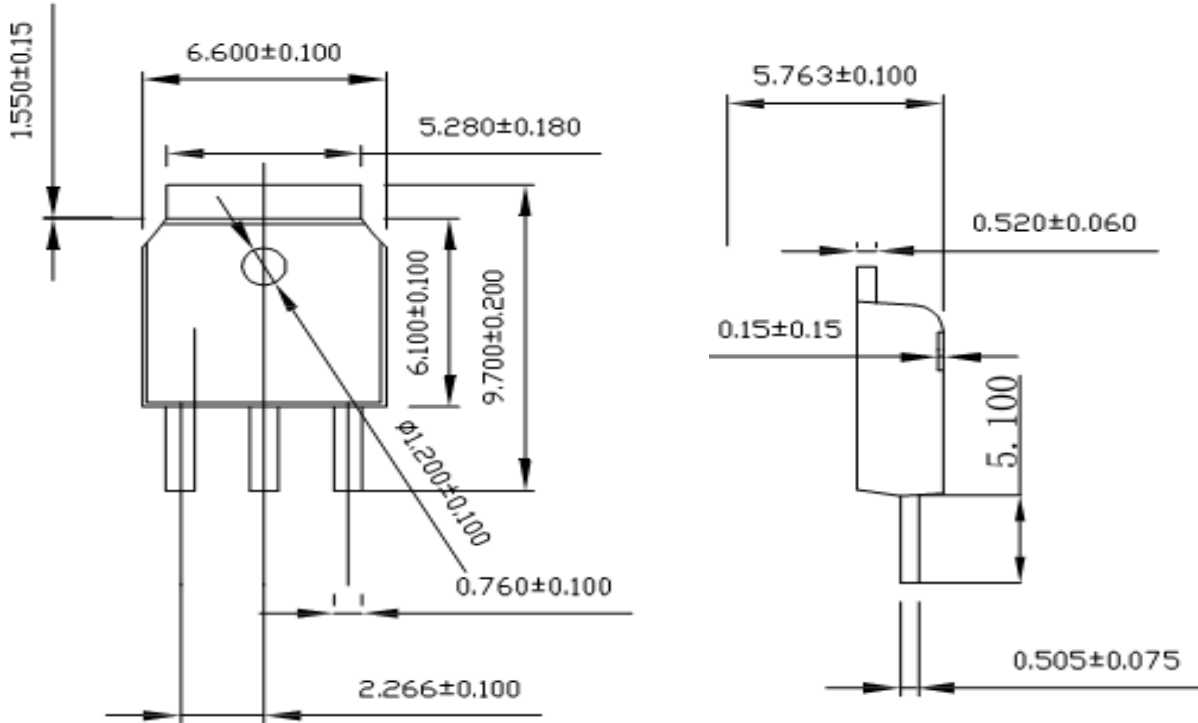
The crunode capacitance curve



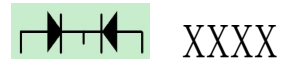
Current Derating Curve, Per Element



# T0-251


**注意事项:**

- XXXX代表日期码，第一码表示公元年的最后一码，第二码表示生产时当月码 (A, B, C... 为一月，二月，三月...), 第三，四码表示大量生产时批次码。  
例如: 2009年第一月生产的，D/C为9AXX。

**MHCHXM**
**SR1060CS**

**修订内容**