PANJIT SEMI CONDUCTOR

Your Component Our Profession

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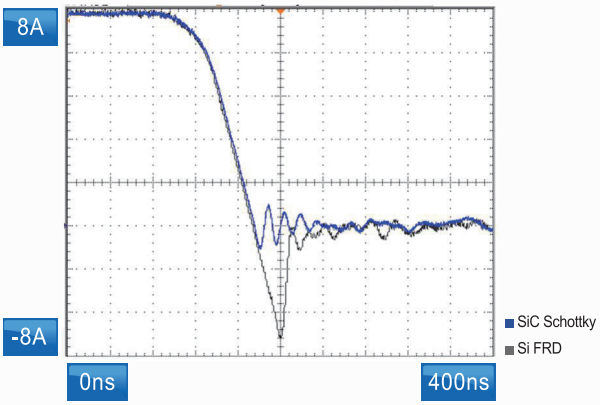
SiC Schottky

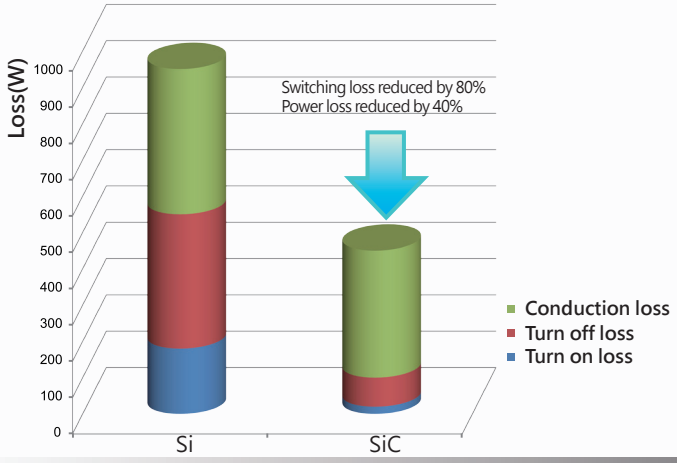
Next generation semiconductor

Compared with silicon schottky, PanJit's new silicon carbide (SiC) schottky delivers lower switching loss, higher breakdown voltage, and outstanding performance under high temperature condition (175°C) due to its material characteristics. It is the optimal choice for customers who need high system efficiency, especially in the solar system, power management applications, and industrial fields.

Reverse Recovery Loss



Power Loss Comparison

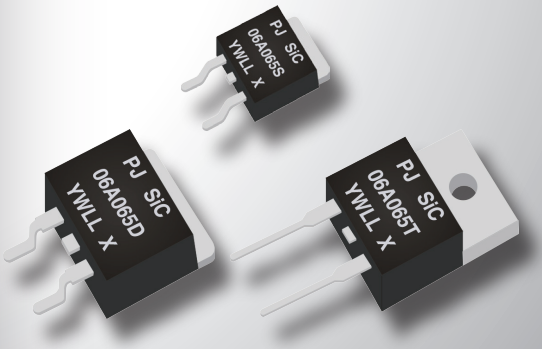


Feature

- Low Trr
- High frequency operation
- Low EMI
- Good performance at high temperature operation

Application

- Industrial equipment
- Server power / PC power
- Solar inverter
- UPS
- LED



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Part Number	V_{RRM}	I_F	V_F @I_F Typ.	I_R @V_R Typ.	Q_C	Package
	V	A	V	uA	nC	
SiC02A065T	650	2	1.9	5	6	TO-220AC
SiC04A065T	650	4	1.9	6	11	
SiC06A065T	650	6	1.9	17	12	
SiC08A065T	650	8	1.9	20	15.5	
SiC10A065T	650	10	1.9	20	18	
SiC02A065S	650	2	1.9	5	6	TO-252AA
SiC04A065S	650	4	1.9	6	11	
SiC06A065S	650	6	1.9	17	12	
SiC08A065S	650	8	1.9	20	15.5	
SiC04A065D	650	4	1.9	6	11	TO-263/D^2PAK
SiC06A065D	650	6	1.9	17	12	
SiC08A065D	650	8	1.9	20	15.5	
SiC10A065D	650	10	1.9	20	18	

- All data are subject to change.
  Please visit www.panjit.com or contact sales@panjit.com.tw for updates.