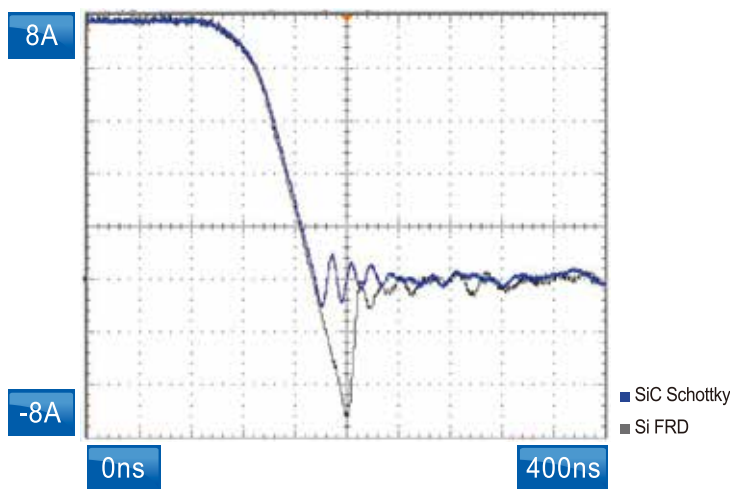


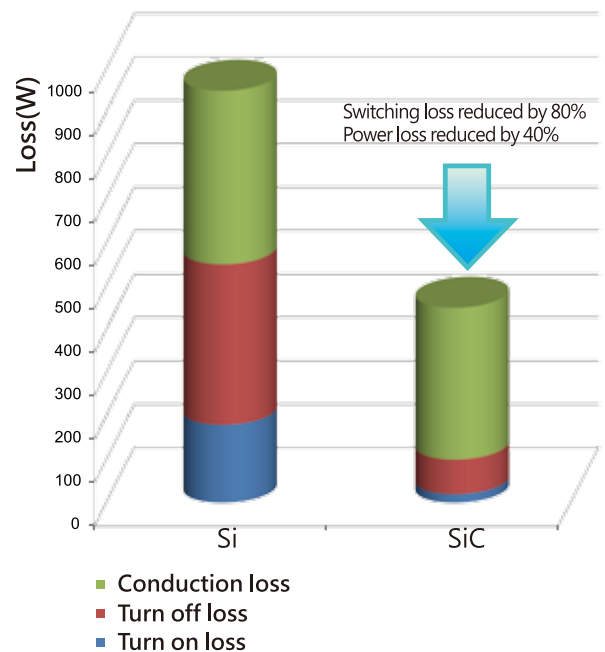
Next generation semiconductor

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

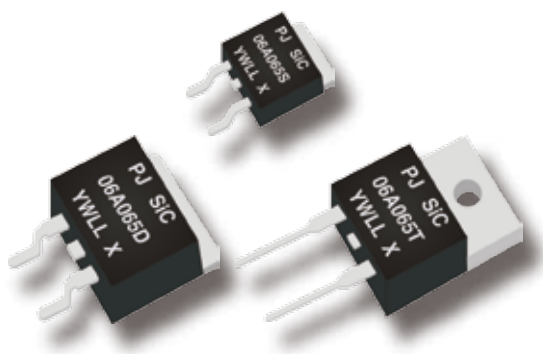
- Low Trr
- High frequency operation
- Low EMI
- Good performance at high temperature operation

Application

- Industrial equipment
- EV charging
- IT power supplies
- Solar inverter
- LED

SiC Schottky

Part No.	V _{RRM}	I _F	V _{F@I_FTyp.}	I _{R@V_RTyp.}	Q _C	P _D	Package
	V	A	V	uA	nC	W	
SiC02A065T	650	2	1.9	5	6	68	TO-220AC
SiC04A065T	650	4	1.9	6	11	75	
SiC06A065T	650	6	1.9	17	12	88	
SiC08A065T	650	8	1.9	20	15.5	100	
SiC10A065T	650	10	1.9	20	18	115	
SiC02A065NS	650	2	1.9	5	6	30	TO-252AA
SiC04A065NS	650	4	1.9	6	11	38	
SiC06A065NS	650	6	1.9	17	12	53	
SiC08A065NS	650	8	1.9	20	15.5	71	
SiC04A065ND	650	4	1.9	6	11	75	TO-263/D ² PAK
SiC06A065ND	650	6	1.9	17	12	78	
SiC08A065ND	650	8	1.9	20	15.5	100	
SiC10A065ND	650	10	1.9	20	18	93	



- All data are subject to change.
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