

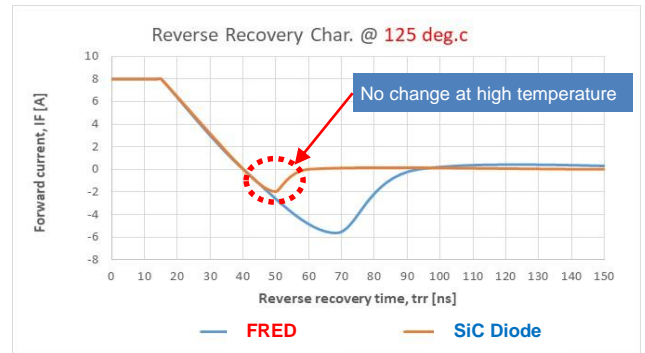
1200V & 650V SiC Diode

Gen 1.5 SiC Diode for the Excellence in Power System Design



► Features

- Zero Reverse Recovery
- Temperature independent switching
- Enhanced surge current capability
- High junction temperature 175°C
- 2 product series for broader choices



Circuit	SiC Diode Device Power Rating	Package
Boost PFC	<ul style="list-style-type: none"> • 650V / 4A -40A • 1200V / 5A -40A 	<ul style="list-style-type: none"> • TO-220AC • TO-252AA • TO-247AD-3LD
Boost Converter		
Bridgeless PFC		
Vienna PFC		

► Target Applications

Power System



- Server Power
- Telecom Power
- PC Power

Green Energy



- PV Inverter
- ESS / BMS

Industrial



- EV Charging Pile
- UPS
- Industrial Motor

Consumer

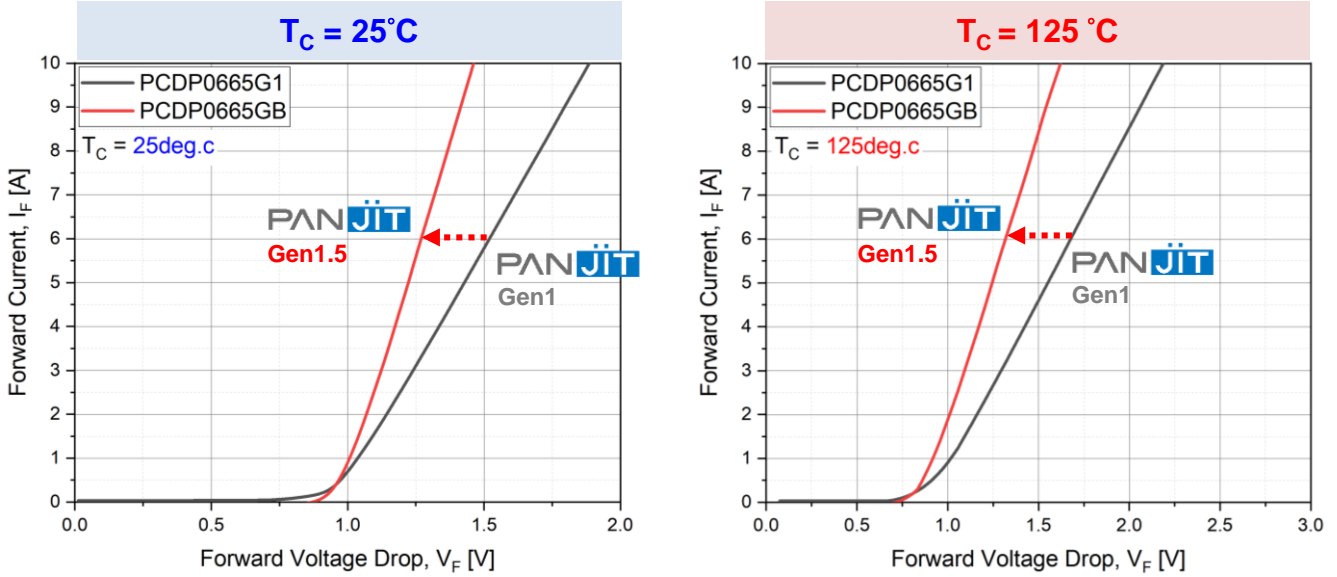


- Home Appliance
- Digital TV



► Performance




SiC Diode Gen1.5 Low V_F series (650V / 6A)



► Products

Released

Q3.2023

Series	BV (V)	I_F (A)	V_F Typ. (V)	 TO-220AC	 TO-252AA	 TO-247AD-3LD
Gen 1.5 Low V_F Series: Low Conduction Loss						
Gen 1.5 Low V_F	650	4	1.3	PCDP0465GB	PCDD0465GB	
		6	1.3	PCDP0665GB	PCDD0665GB	
		8	1.3	PCDP0865GB	PCDD0865GB	
		10	1.3	PCDP1065GB	PCDD1065GB	
		12	1.3	PCDP1265GB		
		16	1.3	PCDP1665GB		
		20	1.3	PCDP2065GB		PCDH2065CCGB
		30	1.3			PCDH3065CCGB
	40	1.3			PCDH4065CCGB	
	1200	5	1.4		PCDD05120GB	
		10	1.4		PCDD10120GB	
		20	1.4			PCDH20120CCGB
		30	1.4			PCDH30120CCGB
		40	1.4			PCDH40120CCGB
Gen 1.5 Low Q_C Series: Low Switching Loss						
Gen 1.5 Low Q_C	650	8	1.5	PCDP0865GC		
		10	1.5	PCDP1065GC		
		12	1.5	PCDP1265GC		
		16	1.5	PCDP1665GC		
		20	1.5	PCDP2065GC		PCDH2065CCGC
		30	1.5			PCDH3065CCGC
		40	1.5			PCDH4065CCGC