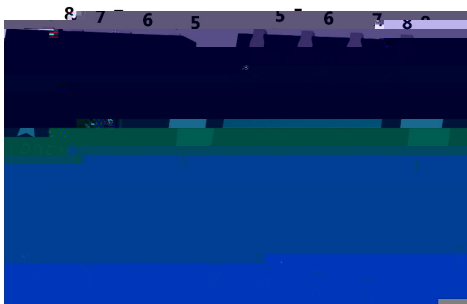
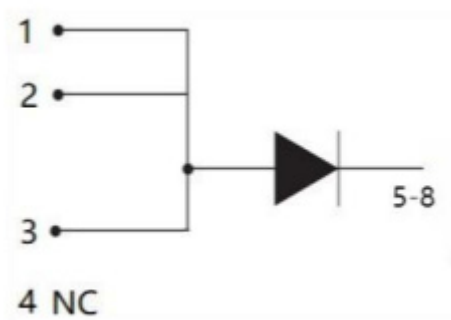


Rev.A Jun.-2024

PDFN 5×6 SiC
SiC Schottky Barrier Diode in a PDFN 5×6 Plastic Package.

Low power loss, high efficiency, HF Product.

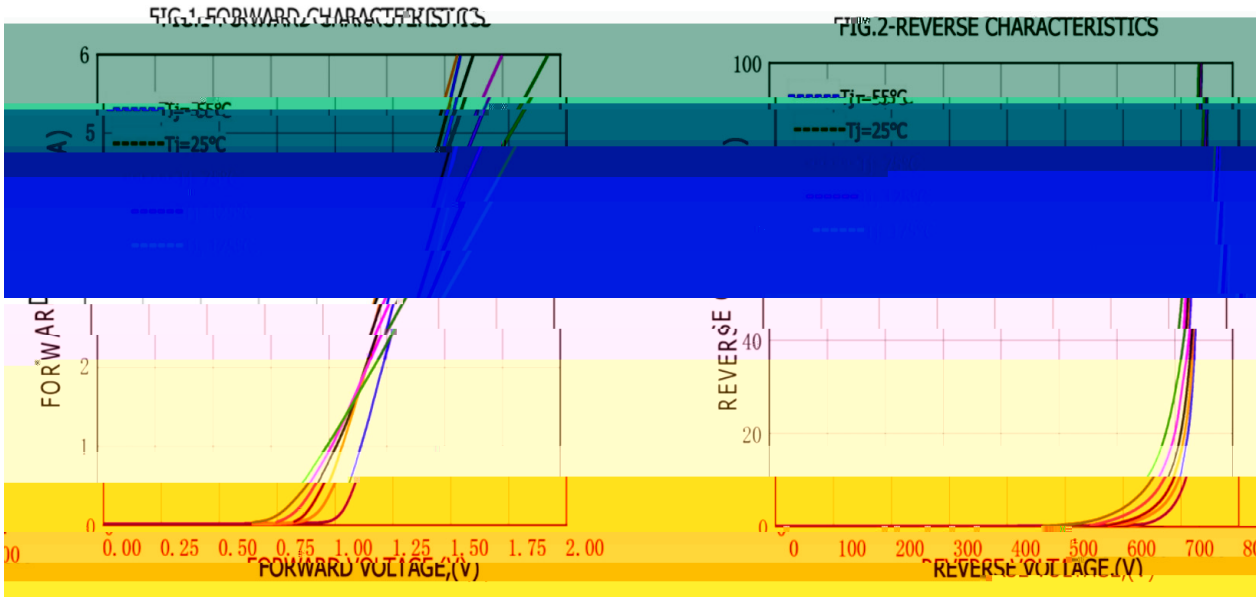
For high frequency, high voltage, high current rectifier diode, freewheeling diode



PIN 1,2,3 Anode PIN5-8 Cathode PIN 4 NC

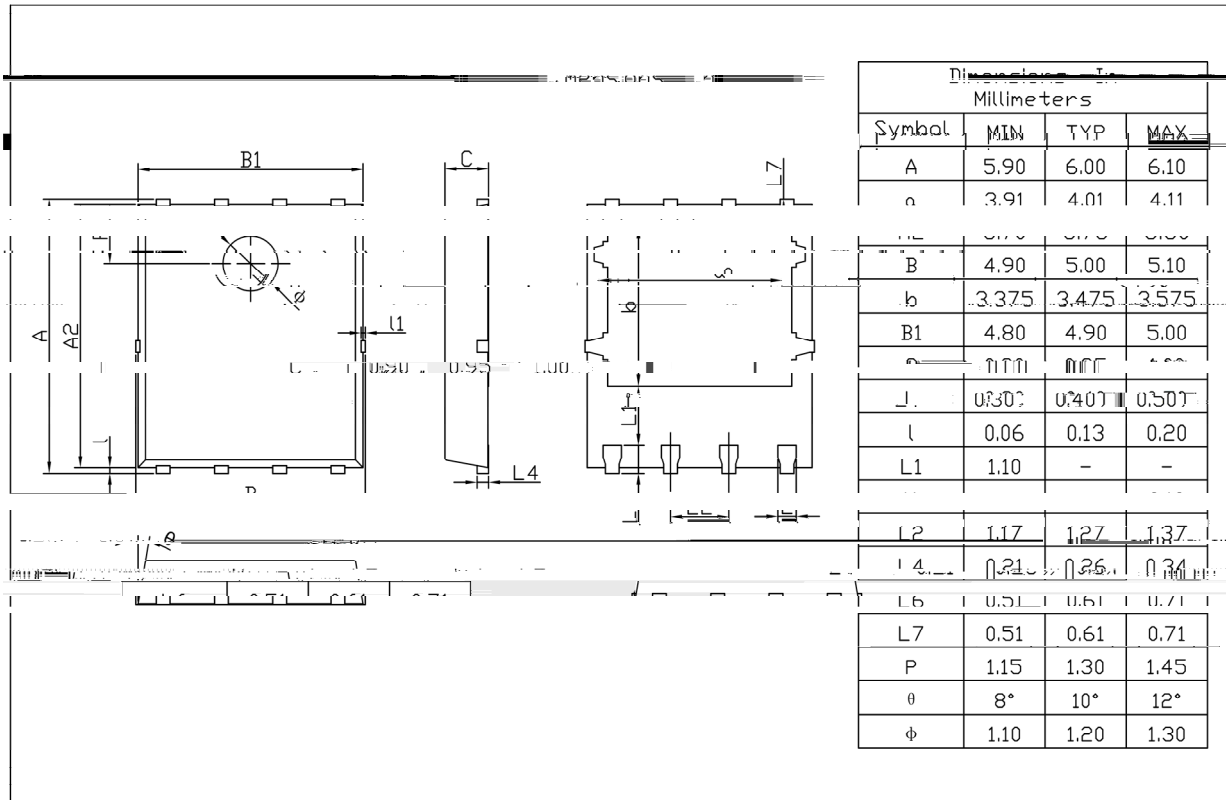
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	650	V
Maximum RMS Voltage	V_{RMS}	455	V
Maximum DC blocking Voltage	V_{DC}	650	V
Continuous Forward Current, $T_C=155$	I_F	4	A
Peak forward surge current, $t_p=10ms$	I_{FSM}	42	A

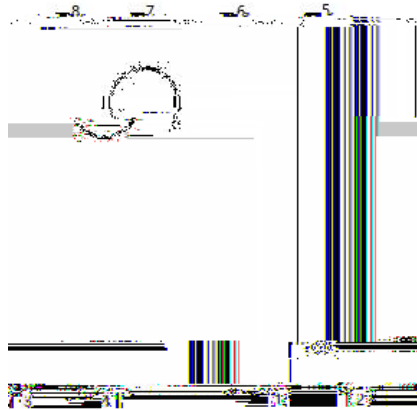


PDFN5 X6

Unit:mm



Doc: 01_202209



BR

SC04650

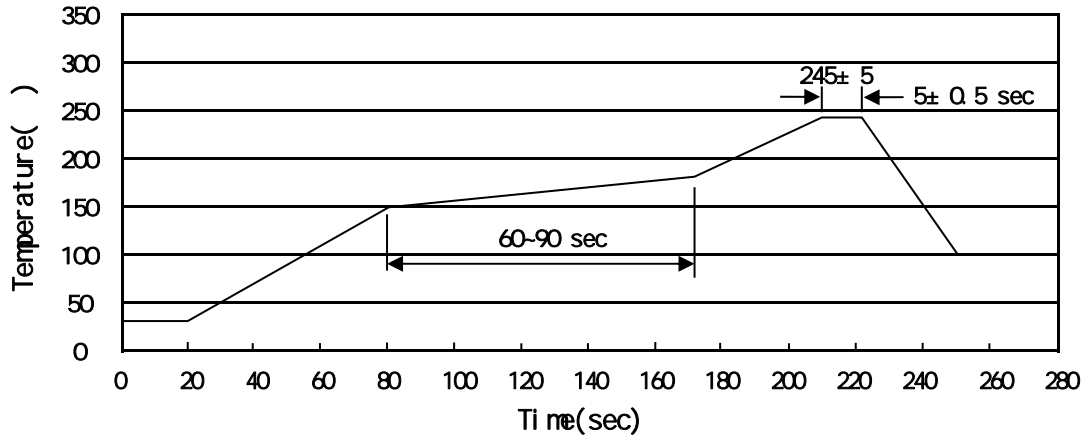
Note

BR

Company Code

SC04650

Product Type Code

Temperature Profile for IR Reflow Soldering(Pb-Free)


Note:

- | | | | | | |
|---|-------|-----|-------|----------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245±5 | | 5±0.5 | sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
PDFN5x6	5,000	2	10,000	6	60,000	13"x12	360x360x50	380x335x366