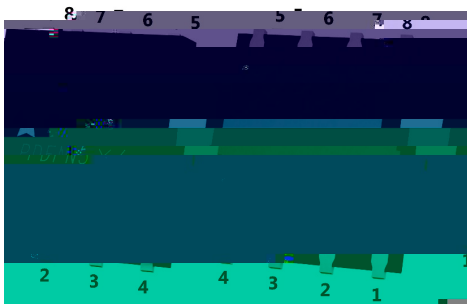
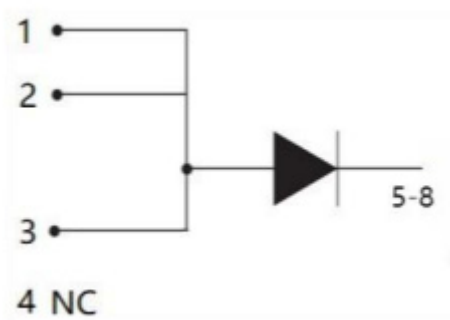


Rev.A Jun.-2024

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

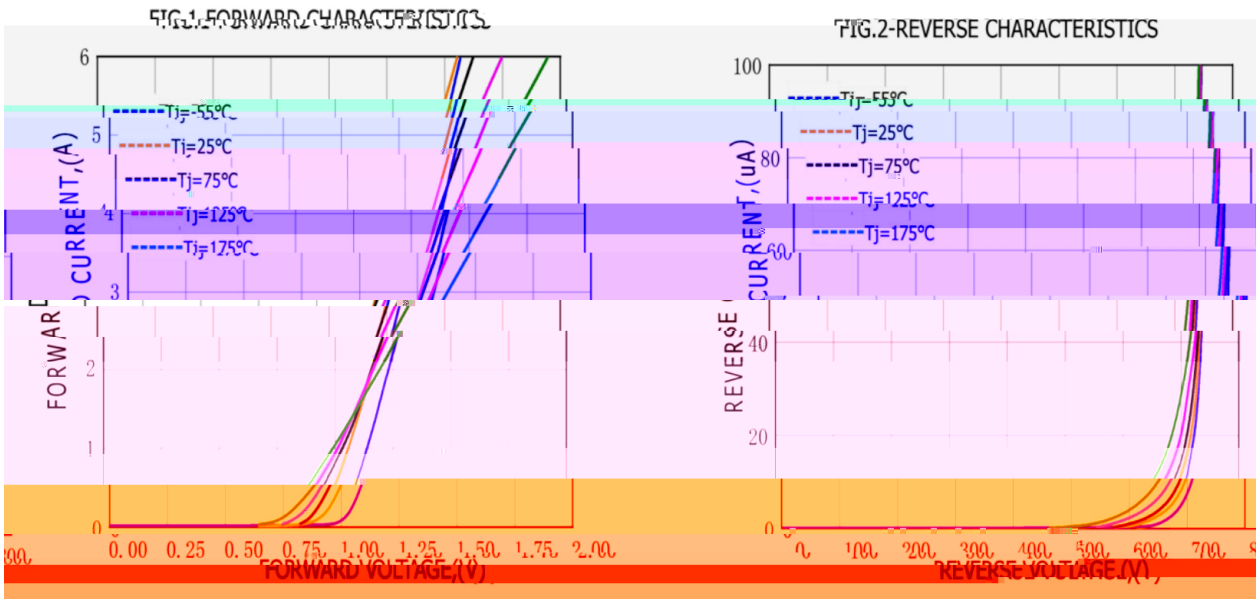


PIN 1,2,3 Anode PIN5-8 Cathode PIN 4 NC

See Marking Instructions.

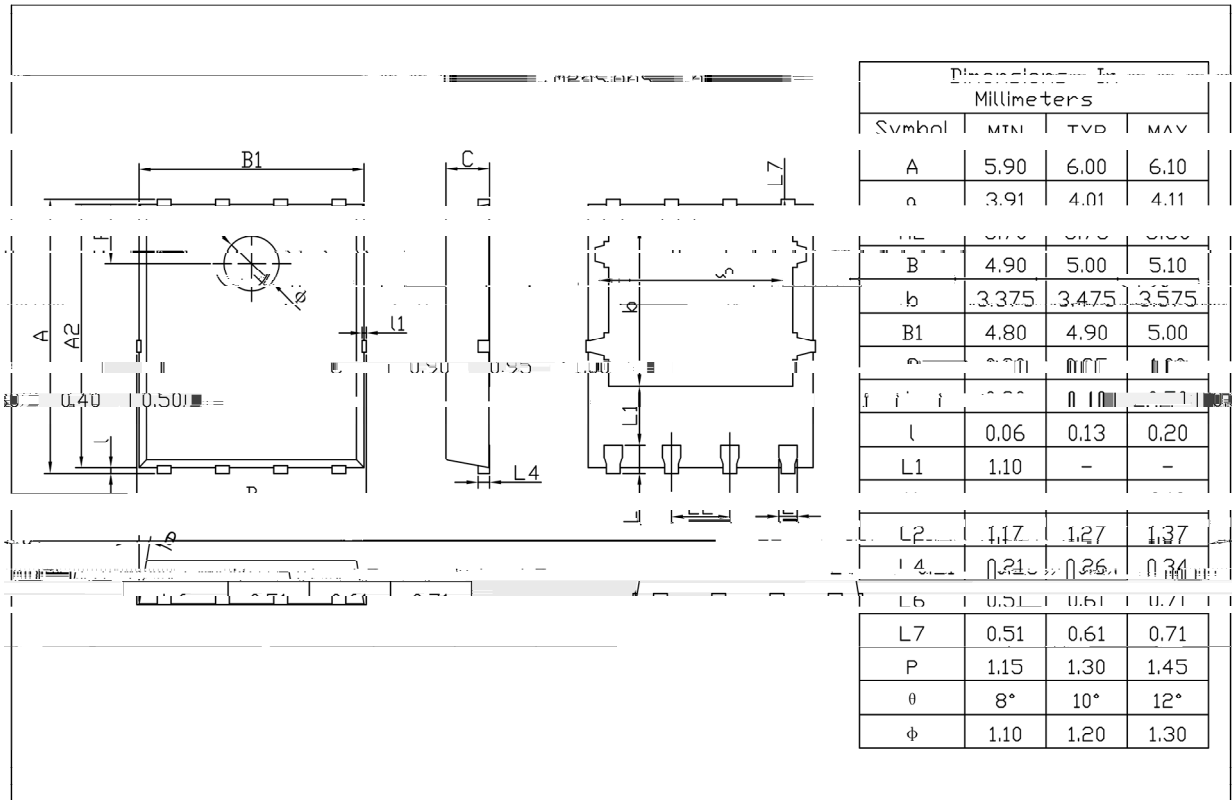
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	650	V
Maximum RMS Voltage	$V_{RMS}$	455	V
Maximum DC blocking Voltage	$V_{DC}$	650	V
Continuous Forward Current, $T_C=155$	$I_F$	4	A
Peak forward surge current, $t_p=10ms$	$I_{FSM}$	42	A

 $Jc0 = 155 \text{ } \text{\AA}$



PDFN5 X6

Unit:mm



Rev.01 202209



BR

SC04650

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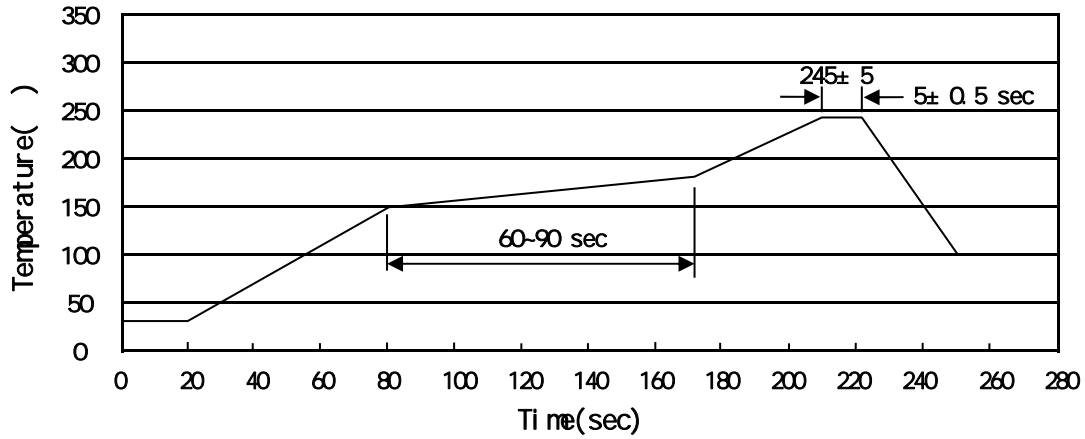
Note

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 <sup>3</sup> )		
	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