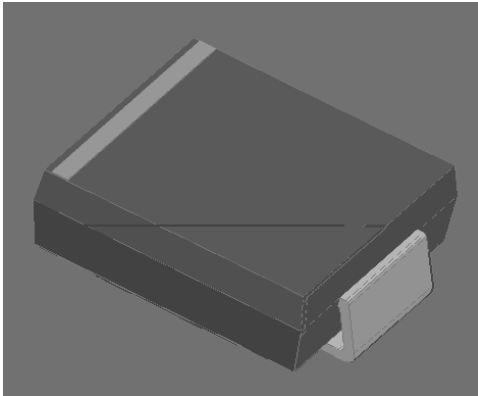


Surface Mount Ultrafast Rectifier Diode



Features

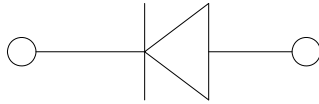
- Ultrafast reverse recovery time
- Low leakage current
- Low switching losses, high efficiency
- High forward surge capability
- Solder dip 260 °C max. 10 s, per JESD 22-B106

Typical Applications

For use in high frequency rectification and freewheeling application in switching mode converters and inverters for consumer, computer and telecommunication.

Mechanical Data

- **Package:** DO-214AB (SMC)
Molding compound meets UL 94 V-0 flammability rating
RoHS-compliant, halogen-free
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Color band denotes the cathode end



■Maximum Ratings (T_a=25 °C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MURS480
Device marking code			MURS480
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	V	800
Maximum RMS Voltage	V _{RMS}	V	560
Maximum DC blocking Voltage	V _{DC}	V	800
Average Rectified Output Current @60Hz sine wave, Resistance load, TL (FIG.1)	I _O	A	4.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _j =25 °C	I _{FSM}	A	100
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25 °C			200
Current squared time @1ms ≤ t ≤ 8.3ms T _j =25 °C	I ² t	A ² s	41.5
Storage Temperature	T _{stg}		-55 ~ +150
Junction Temperature	T _j		-55 ~ +150

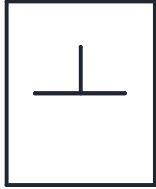
■Electrical Characteristics T_a=25 °C Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS
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MURS480



■ Suggested pad layout



DO-214AB (SMC)	
Dim	Min
P1	9.9
P2	3.84
Q1	3.03
Q2	3.82

Dimensions in millimeters



Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function o