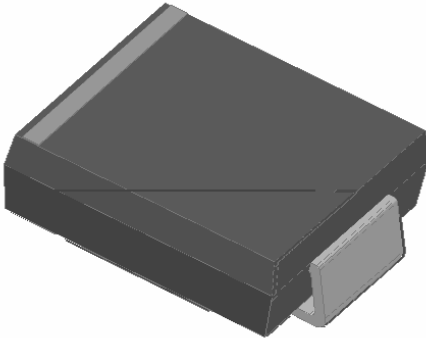


Surface Mount Ultrafast Rectifier Diode



Features

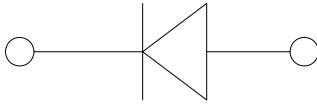
- Ultrafast reverse recovery time
- Low leakage current
- Low switching losses, high efficiency
- High forward surge capability
- Solder dip 260 °C max. 10 s, per JESD 22-B106

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

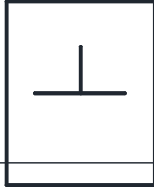
PARAMETER	SYMBOL	UNIT	TEST CONDITIONS
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MURS480



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

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