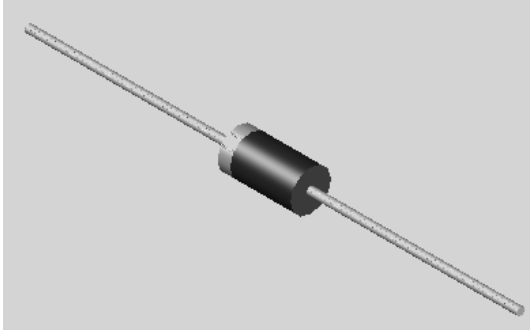


Super Fast Rectifier

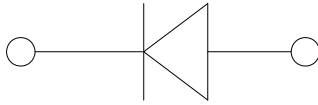


Features

- Ultrafast reverse recovery time
- Low leakage current
- Low switching losses, high efficiency
- High forward surge capability
- Glass passivated chip junction
- Solder dip 275 °C max. 7 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-201AD(DO-27)

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Color band denotes the cathode end

Maximum Ratings (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MUR420	MUR440	MUR460	MUR480	MUR4100	
Device marking code			MUR420	MUR440	MUR460	MUR480	MUR4100	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	V	200	400	600	800	1000	
Maximum RMS Voltage	V _{RMS}	V	140	280	420	560	700	
Maximum DC blocking Voltage	V _{DC}	V	200	400	600	800	1000	
Average Forward Current @60Hz sine wave, Resistance load, Ta =50	I _{F(AV)}	A	4.0					
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25	I _{FSM}	A	125					
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			250					
Current squared time @1ms t 8.3ms Tj=25 Rating of per diode	I ² t	A ² s	65					
Typical junction capacitance @Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	C _j	pF	60		51		45	50
Junction Temperature	T _j		-55 ~ +150					



MUR420 THRU MUR4100

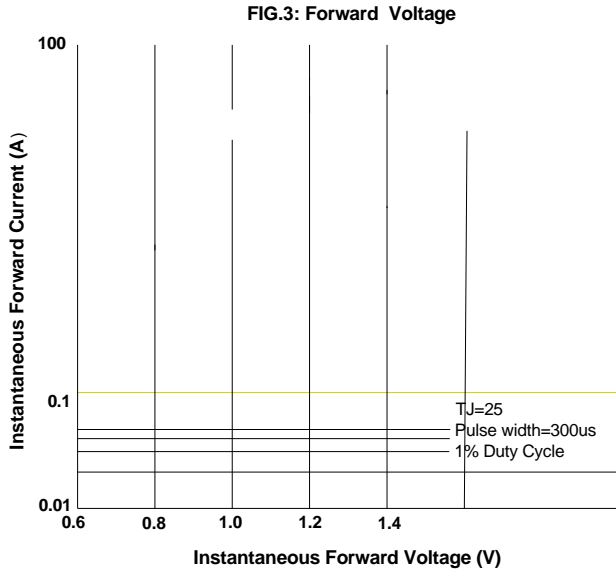
Electrical Characteristics ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	(T
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MUR420 THRU MUR4100



MUR420 THRU MUR4100



Outline Dimensions

DO-201AD(DO-27)		
Dim	Min	Max
A	8.50	9.50
B	5.00	5.60
C	25.4	/
D	1.20	1.30

