

FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Characteristics	Symbol	MUR4100	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	1000	V
Maximum RMS Voltage	V _{RMS}	700	V
Maximum DC Blocking Voltage	V _{DC}	1000	V
Average Rectified Current @ T _A = 55°C	I _{F(AV)}	4.0	A
Non-Repetitive Peak Forward Surge Current 8.3ms single half-sine wave	I _{FSM}	125	A
Maximum Forward Voltage @ I _F = 4.0A	V _F	1.85	V
Maximum DC Reverse Current @ Rated DC Blocking Voltage, T _J = 25°C	I _r	25.0	μA
Maximum Reverse Recovery Time ⁽¹⁾	t _{rr}	75	ns
Maximum Reverse Recovery Time ⁽²⁾	t _{fr}	75	ns
Operating Junction Temperature Range	T _J	-65 to +150	°C
Storage Temperature Range	T _{STG}	-65 to +150	°C

Note 1: Reverse recovery time test condition, I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A

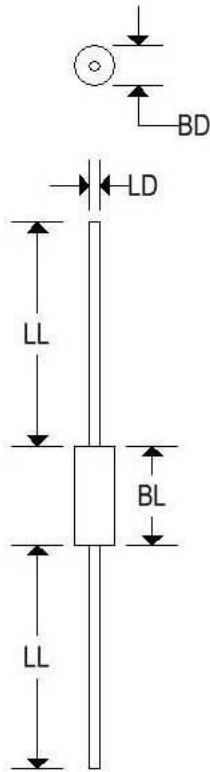
Note 2: Forward recovery condition I_F = 0.5A, di/dt = 100A/μs, Recovery to 1.0V

MUR4100

ULTRA FAST RECTIFIERS

MECHANICAL CHARACTERISTICS

Case:	DO-201AD
Marking:	Alpha-numeric
Polarity:	Cathode band



	DO-201AD			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	0.190	0.209	4.826	5.309
BL	0.285	0.375	7.240	9.530
LD	0.048	0.052	1.219	1.321
LL	1.000	-	25.400	-

MUR4100

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