

4A, 200V - 600V Ultrafast Glass Passivated Rectifiers

FEATURES

- Ideally suited for use in very high frequency switching power supplies, inverters and as free wheeling diodes
- Ultrafast recovery time for high efficiency
- Excellent high temperature switching
- Glass passivated junction
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21 definition



MECHANICAL DATA

Case: DO-201AD

Molding compound, UL flammability classification rating 94V-0

Packing code with suffix "G" means green compound (halogen-free)

Packing code with suffix "H" means AEC-Q101 qualified

Terminal: Matte tin plated leads, solderable per J-STD-002

Meet JESD 201 class 2 whisker test,

Weight: 1.2 g (approximately)

DO-201AD

MAXIMUM RATINGS AND ELECTRICAL CHARACTERSTICS (T _A =25°C unless otherwise noted)					
PARAMETER	SYMBOL	MUR4L20	MUR4L40	MUR4L60	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	200	400	600	V
Maximum RMS voltage	V _{RMS}	140	280	420	V
Maximum DC blocking voltage	V _{DC}	200	400	600	V
Maximum average forward rectified current	I _{F(AV)}	4			A
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	125			A
Maximum instantaneous forward voltage (Note 1) @ 4 A	V _F	0.89	1.28		V
Maximum reverse current @ rated VR T _J =25 °C 					

Note 1: Pulse Test with $PW=300\mu\text{s}$, 1% Duty Cycle

Note 2: Reverse Recovery Test Conditions: $I_F=0.5\text{A}$, $I_R=1.0\text{A}$, $I_{RR}=0.25\text{A}$

Note 3: Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

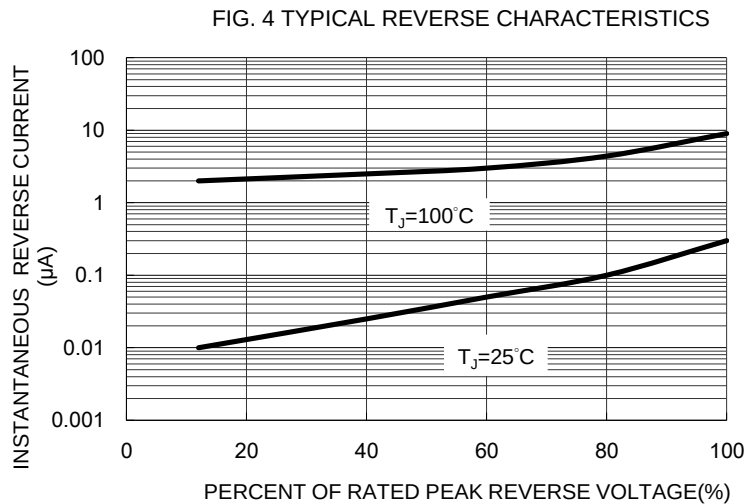
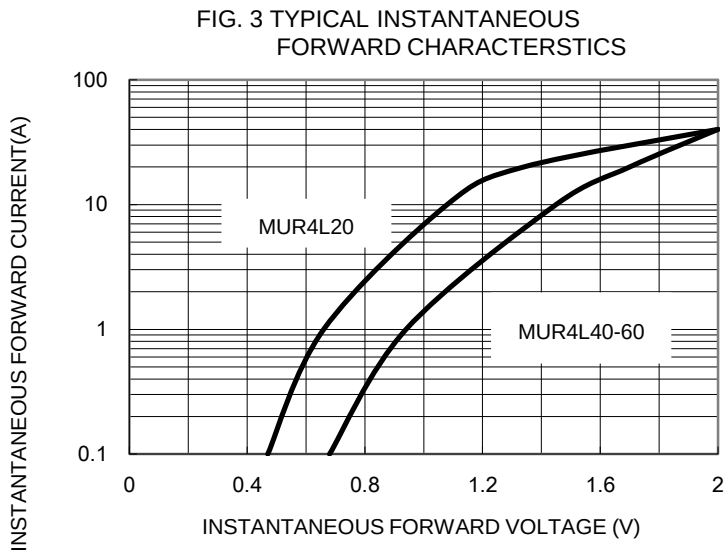
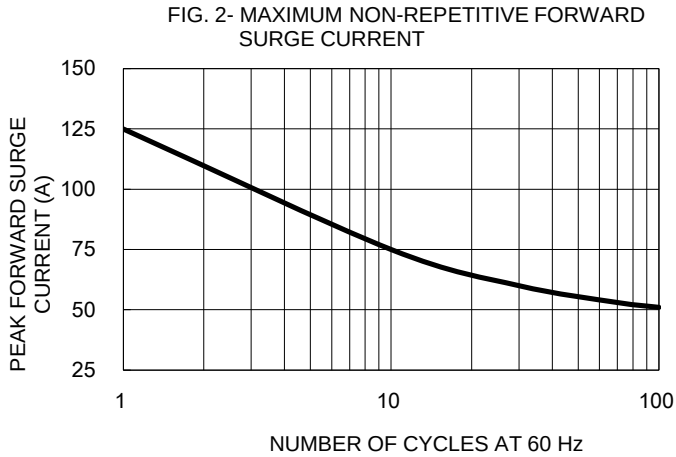
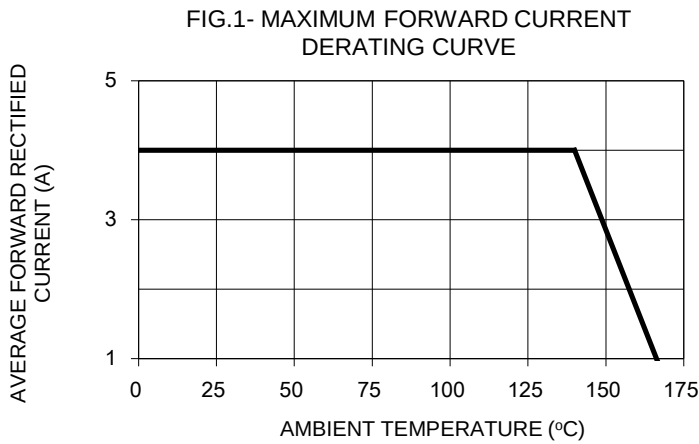
ORDERING INFORMATION					
PART NO.	AEC-Q101 QUALIFIED	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING
MUR4LX0 (Note 1)	H	A0	G	DO-201AD	500 / Ammo box
		R0			1,250 / 13" paper reel
		B0			500 / Bulk packing
		X0			Forming

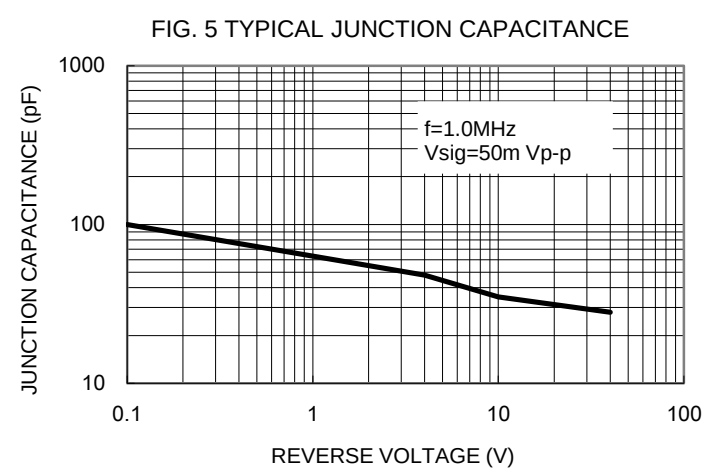
Note 1: "x" defines voltage from 200V (MUR4L20) to 600V (MUR4L60)

EXAMPLE					
EXAMPLE PART NO.	PART NO.	PART NO. SUFFIX	PACKING CODE	PACKING CODE	DESCRIPTION
MUR4L60HA0G	MUR4L60	H	A0	G	AEC-Q101 qualified Green compound

RATINGS AND CHARACTERISTICS CURVES

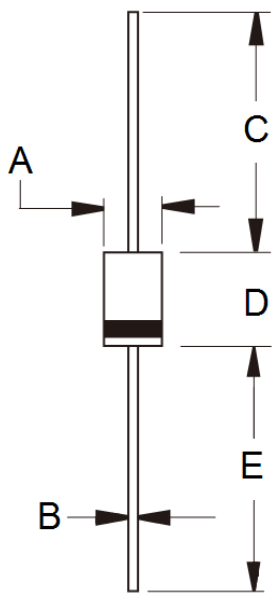
(T_A=25°C unless otherwise noted)





PACKAGE OUTLINE DIMENSIONS

DO-201AD



DIM.	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
A	5.00	5.60	0.197	0.220
B	1.20	1.30	0.048	0.052
C	25.40	-	1.000	-
D	8.50	9.50	0.335	0.375
E	25.40	-	1.000	-

MARKING DIAGRAM



P/N =

Specific Device Code

G =

Green Compound

YWW =

Date Code

F =

Factory Code

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9