



Ultra-Fast Recovery Diodes
Reverse Voltage-600v
Forward current-15A

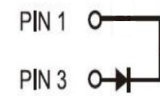
Features

Ultra-Fast Recoveryt chip
Fast reverse recovery time
Ldeal for surface mounted applications
Low power loss, high efficiency
Plastic Case Material has UL Flammability



Mechanical Data

Package: TO-220AB
Terminals: Tin Plated leads, solderable per
Mil-STD-750 Method 2026
Polarity: As marked
Molding compound meets UL 94 V-0 flammability rating,
ROHS-compliant



Maximum Ratings Ta=25℃ Unless otherwise

Type Number	SYMBOL	MUR1560AC	Umit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	V
Maximum RMS Voltage	V_{RMS}	420	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Current at TL = 100℃	$IO_{(AV)}$	15.0	A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	170.0	A
Current squared time @1ms≤t8.3≤ms Tj=25℃, Rating of per diode	I^2t	119.93	A ² S
Maximum Forward Voltage at 15 A DC	V_{FM}	1.8	V
Maximum Reverse Current TA = 25℃	IR	5	uA
at Rated DC Blocking Voltage TA = 100℃		500	
Reverse Recovery Time	Trr	35	ns
Typical Thermal Resistance Between junction andambient Between Junction and Case	R _{QJa}	50	℃/W
	R _{QJc}	4.0	
Operating Junction Temperature Range	T _J	—55to+150	℃
Storage Temperature Range	T _{STG}	—55to+150	℃



FIG. 1 MAXIMUM AVERAGE FORWARD CURRENT DERATING

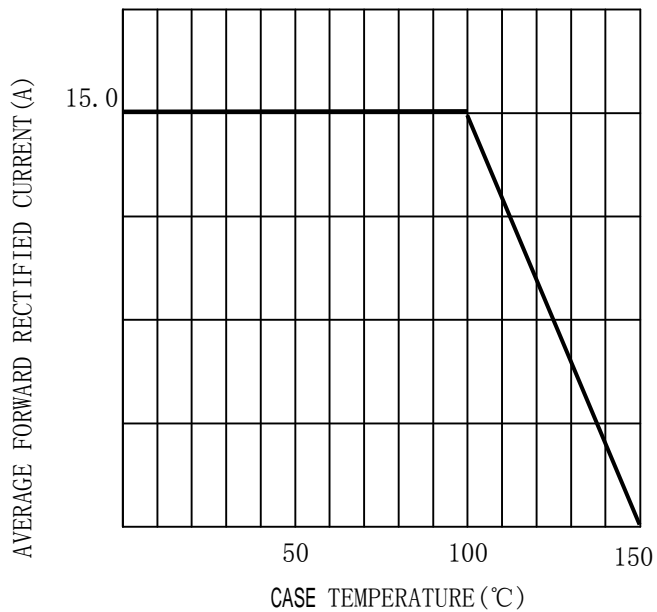


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

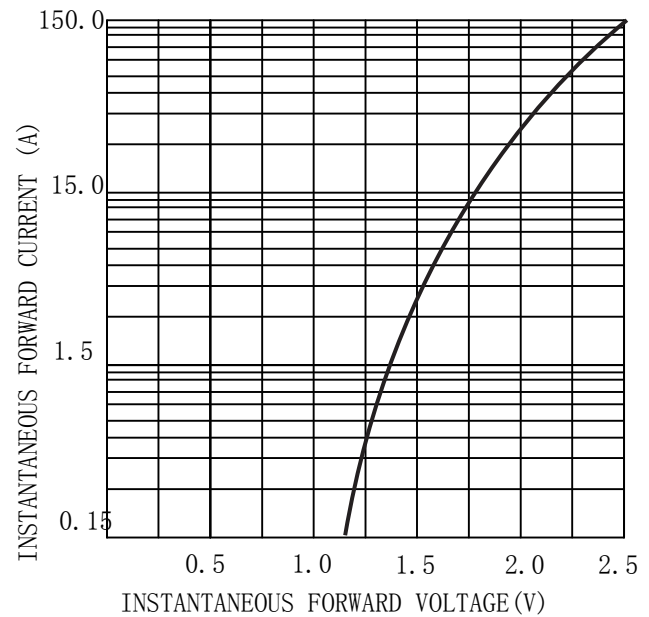


FIG. 3 MAXIMUM NON-REPEITIVE SURGE CURRENT

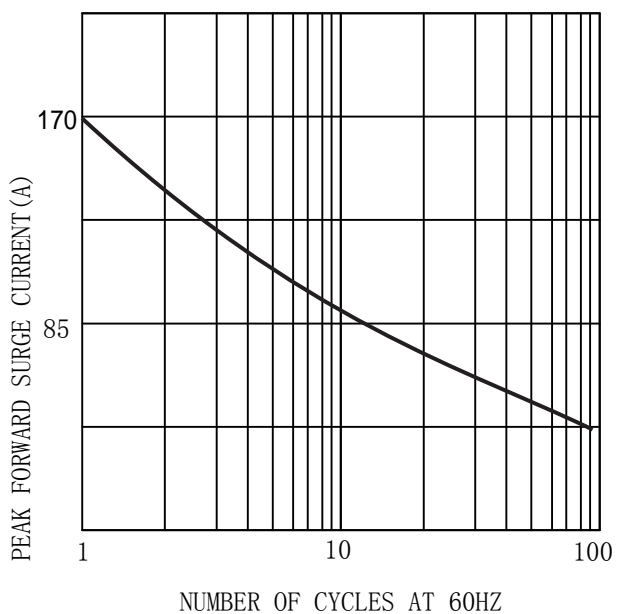
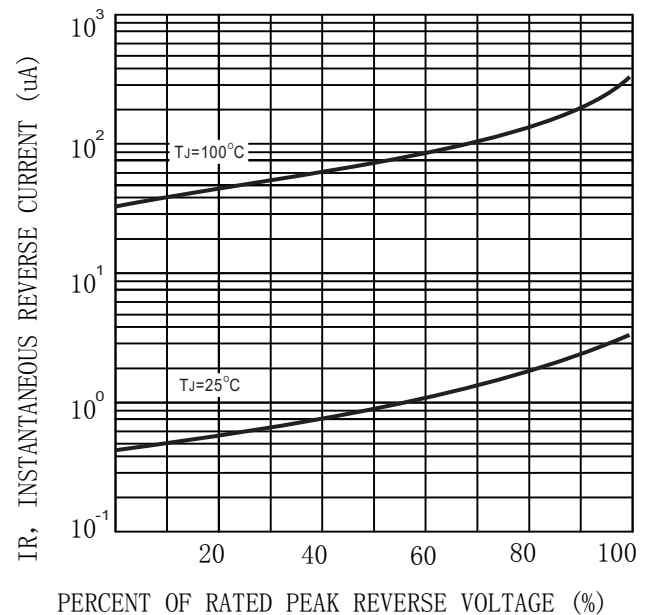


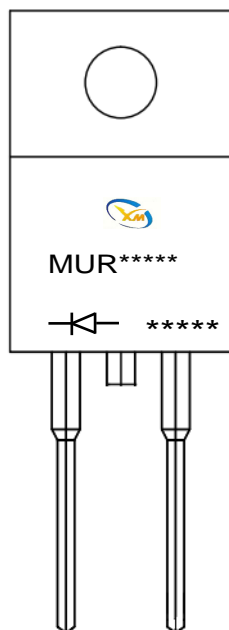
FIG. 4 TYPICAL REVERSE CHARACTERISTICS(per element)






MARKING INFORMATION

TO-220AB/AC



—|— = Polar line

 = Logo

***** = Date Code Marking

MUR***** = Marking Code

Package Outline Dimensions millimeters

TO-220AB/AC					
DIM	INCHES		MM		NOTE
	min	max	min	max	
A	—	0.41	—	10.30	
B	0.33	0.34	8.30	8.70	
C	0.18	0.19	4.50	4.90	
D	0.57	0.60	14.60	15.20	
E	0.53	0.56	13.50	14.10	
a	0.10	0.10	2.45	2.65	
b	—	0.16	—	4.10	
c	0.03	0.04	0.72	0.92	
d	0.01	0.02	0.30	0.50	
e	—	0.15	—	3.80	Ø
f	0.05	0.06	1.20	1.40	



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