



US2JA~US2MA ULTRA FAST RECOVERY RECTIFIER

Rev.1.2

DESCRIPTION

Plastic package has underwriters laboratory flammability classification 94V-0
For surface mounted applications
Glass passivated chip junction
Lead free in comply with EU RoHS 2011/65/EU directives
Ultrafast recovery time for high efficiency

MECHANICAL DATA

Case: JEDEC DO-214AC molded plastic
Terminals: Solder plated, solderable per J-STD-002
Polarity: Color band denotes cathode end
Weight: 0.0673 gram

ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

(Rating at 25 ambient temperature unless otherwise specified.)

	F(AV)	2.0	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I		

THERMAL RESISTANCES

Symbol	Parameter	US2JA	US2MA	Unit
$R_{th(j-L)}$	Junction to lead (note1)	30		/W

Note1 Thermal resistance from junction to lead mounted on P.C.B. with 4.0 mm x 4.0 mm copper pad areas.

MARKING



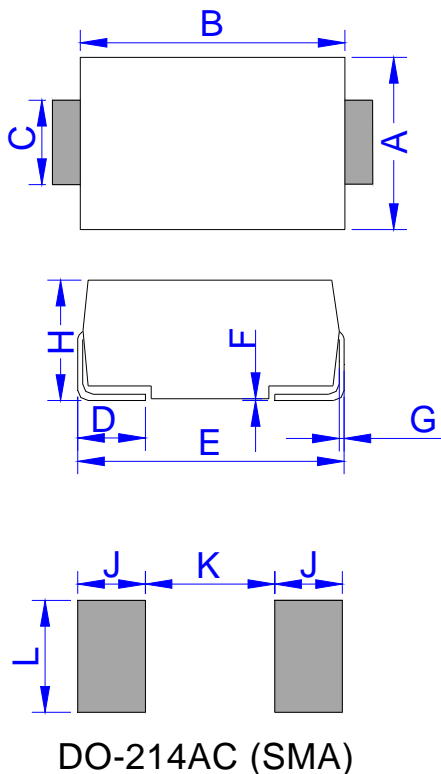
U	Ultra Fast Recovery Rectifier
S	Surface Mount
2	$I_{F(AV)}=2A$
M	$V_{RRM}: 1000V$

3x1 9 A B C

3x1

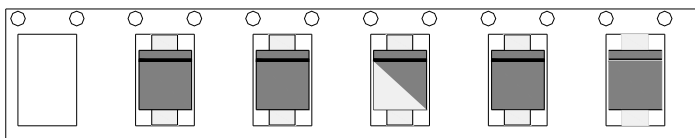
2018	2019	2020	2021	2022	2023	2024
H	I	J	K	L	M	N

PACKAGE MECHANICAL DATA

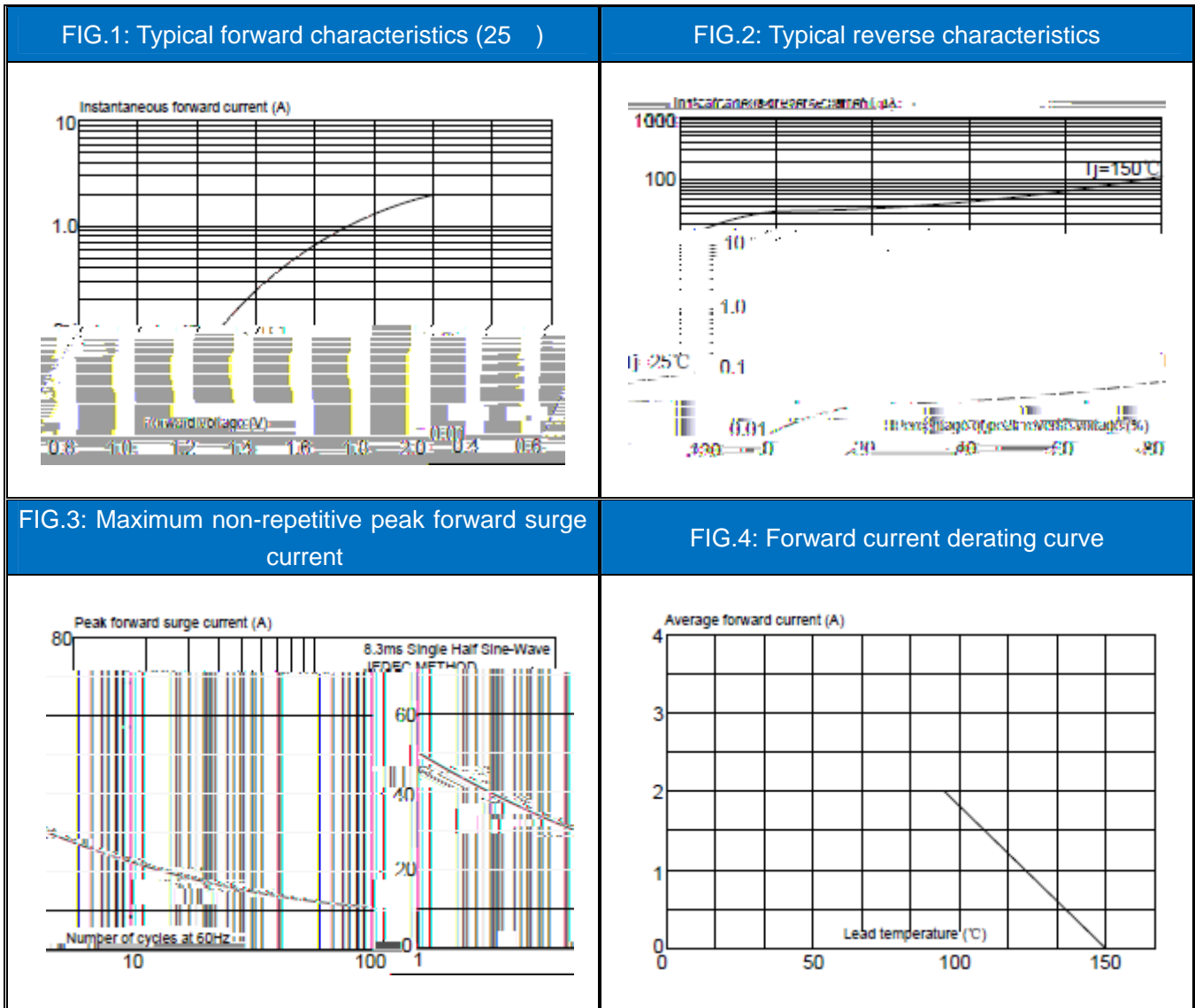


Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.60	3.00	0.102	0.118
B	4.15	4.65	0.163	0.183
C	1.25	1.65	0.049	0.065
D	0.95	1.52	0.037	0.060
E	4.90	5.30	0.193	0.209
F	0.051	0.203	0.002	0.008
G	0.15	0.31	0.006	0.012
H	2.00	2.44	0.079	0.096
J	2.00		0.079	
K		2.30		0.091
L	1.80		0.071	

TAPE AND REEL SPECIFICATION-SMA



CHARACTERISTICS CURVE




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