



MUR240S~MUR260S SUPER FAST RECOVERY RECTIFIER

Rev.2.2

DESCRIPTION:

- Plastic package has underwriters laboratory flammability classification 94V-0
- For surface mounted applications in order to optimize board space
- Glass passivated chip junction
- Lead free in comply with EU RoHS 2011/65/EU directives
- Super fast recovery time

MECHANICAL DATA

- Case: JEDEC DO-214AA molded plastic
- Terminals: Solder plated, solderable per J-STD-002
- Polarity: Color band denotes cathode end
- Weight: 0.1 gram

ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

(Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	MUR240S	MUR260S	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	400	600	V
Maximum RMS voltage	V_{RMS}	280	420	V
Maximum DC blocking voltage	V_{DC}	400	600	V

Maximum forward voltage @ $I_F=2.0A$	V_F	1.25		V
Maximum reverse recovery time $I_F=0.5A, I_R=1A, I_{rr}=0.25A$	t_{rr}	50		ns
Maximum DC reverse current at rated DC blocking voltage $T_j=25$				

THERMAL RESISTANCES

Symbol	Parameter	MUR240S	MUR260S	Unit
$R_{th(j-L)}$	Junction to lead(note1)	20		/W

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

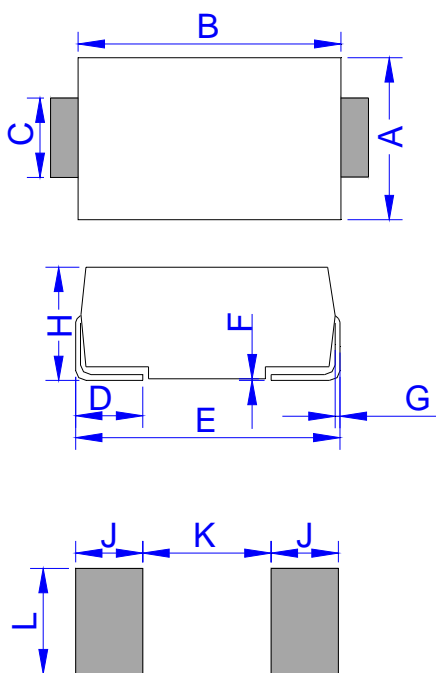
MARKING



MUR	Super Fast Recovery Rectifier
2	$I_{F(AV)}=2.0A$
40	$V_{RRM}:400V$

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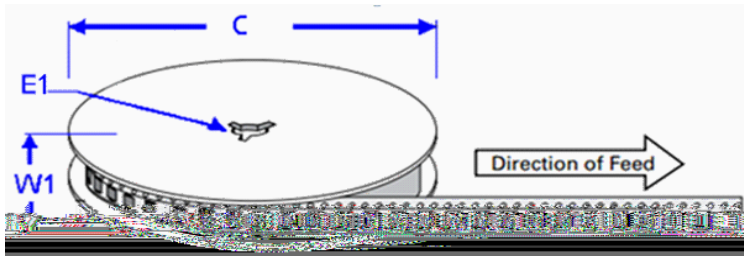
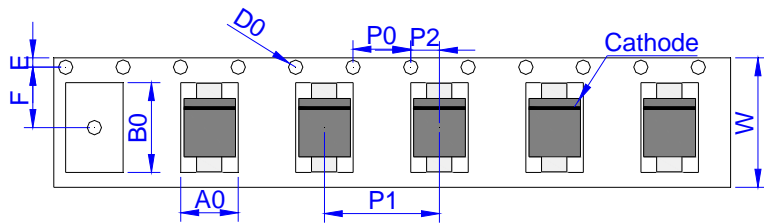
PACKAGE MECHANICAL DATA



DO-214AA (SMB)

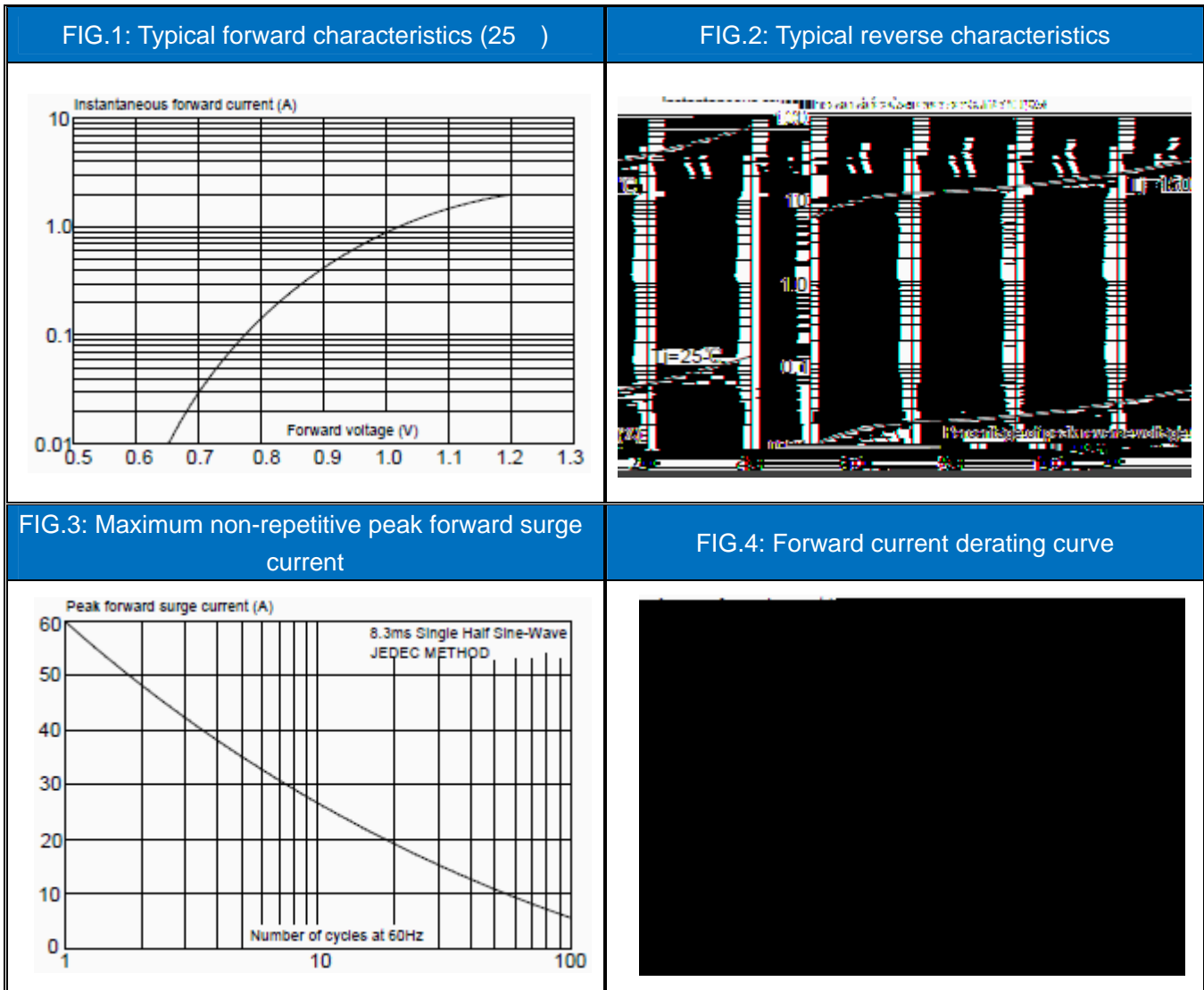
Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	3.30	3.94	0.130	0.155
B	4.30	4.80	0.169	0.189
C	1.90	2.20	0.075	0.087
D	0.95	1.52	0.037	0.060
E	5.20	5.60	0.205	0.220
F	0.051	0.203	0.002	0.008
G	0.15	0.31	0.006	0.012
H	2.10	2.40	0.083	0.094
J	2.20		0.087	
K		2.60		0.102
L	2.30		0.091	

TAPE AND REEL SPECIFICATION-SMB



OUTLINE	UNIT WEIGHT (g/PCS) typ.	REEL (PCS)	PER CARTON (PCS)	REEL DIAMETERS (mm)
TAPING	0.1	3,000	48,000	330

CHARACTERISTICS CURVE




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