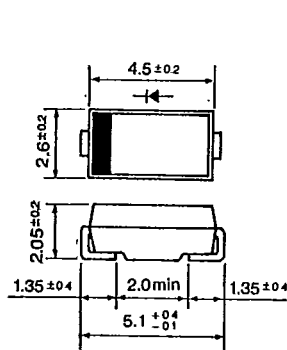


Ultra Fast Recovery Diodes $V_{RM}: 70 \sim 1000V$ $I_o: 0.4 \sim 5.0A$

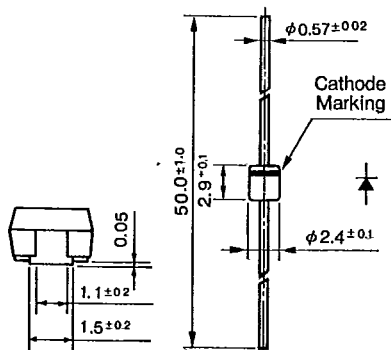
SFPL/AG/AL/EG/EL/RG/RL

Rating/ Characteristics	Absolute Maximum Ratings					Electrical Characteristics (Ta = 25°C)						Others														
	V _{RSM} (V)	V _{RM} (V)	I _O (A)	I _{FSM} (A)	T _J (°C)	T _{stg} (°C)	V _F (V)		I _R (mA)	I _{R(H)} (mA)	t _{rr} (μs)	Outline Drawing	Weight(g)	Taping	Note											
Type No.			(with Fin Rating)	50kHz Half Sine Wave Single Pulse			max	I _F (A)	V _R = V _{RM} max	V _R = V _{RM} , Ta = 100°C max	I _F /I _{RP} (mA)															
SFPL-52	200	200	0.9	25	-40 ~ +150		0.98	1.0	0.01	1.0 (T _J = 150°C)	0.05	54	0.072		Surface Mount											
SFPL-62	200	200	1.0																							
AG01Y	70	70	1.0	15				1.2	0.1	0.5	0.1					0.05	55	0.13								
AG01Z	200	200	0.7																							
AG01	400	400																				1.8	0.7			
AG01A	600	600	0.5																				0.5			
AL01Z	200	200		25	-40 ~ +140		1.05	1.0			0.05	56	0.2													
EG01Y	70	70	1.0	30			1.2																			
EG01Z	200	200	0.7	15			1.9	0.7	0.05	0.3																
EG01	400	400					2.0		0.1																	
EG01A	600	600	0.5	10				0.5	0.05	0.5	0.1															
EG01C	1000	1000			-40 ~ +150		3.3					57	0.3													
EG 1Y	70	70	1.1	30	1.2	1.1	0.1																			
EG 1Z	200	200	0.8	15	-40 ~ +140	1.7	0.8	0.05	0.3	0.05	100/100					58	0.6									
EG 1	400	400				1.8																				
EG 1A	600	600				2.0														0.6						
EL 1Z	200	200	1.5	20	-40 ~ +150		0.98	1.5	0.1	0.5	0.05	59	0.6	Available												
RU 1P	1000	1000	0.4	10			4.0	0.4	5μA	50μA																
RG 1C	1000	1000	0.7			3.3	0.7	0.02	0.25				60	1.2												
RG 2Y	70	70	1.5	50	-40 ~ +140		1.1	1.5	0.5	2.5	0.1	61	2.1													
RG 2Z	200	200	1.2				1.5																			
RG 2	400	400					1.8																			
RG 2A	600	600					1.0									2.0	1.0									
RG 4Y	70	70	2.0(3.5)	100	-40 ~ +150		1.3	3.5	1.0	5.0	500/500	62	1.2													
RG 4Z	200	200	1.5	80			1.7	3.0	0.5	2.5																
RG 4	400	400	(3.0)				1.8																			
RG 4A	600	600	1.0	50			2.0																			
RG 4C	1000	1000	(2.0)	60			3.0	2.0																		
RL 2Z	200	200	2.0	30			0.98		0.1							0.05	100/100	63	0.6	Available						
RL 4Z	200	200	2.0(3.5)	80			0.95	3.5	0.15	0.5								64	1.2							
FMP-G12S	200	200	5.0	65			1.15	5.0	0.05									0.15	65	2.1		Center Lead Cut				

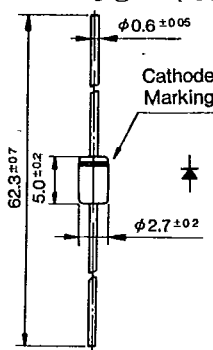
Outline Drawing ⑤4



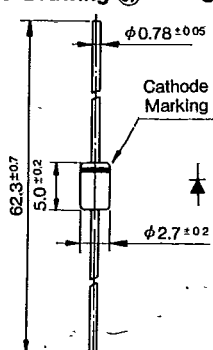
Outline Drawing ⑤5



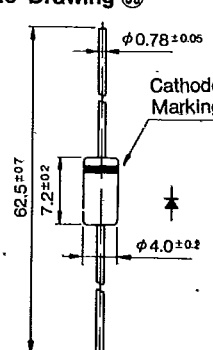
Outline Drawing ⑤6



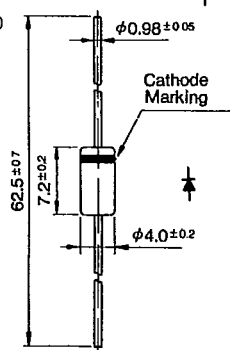
Outline Drawing ⑤7



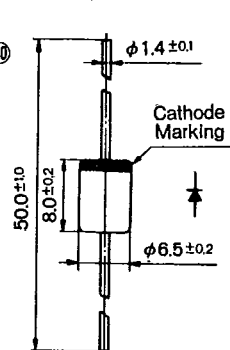
Outline Drawing ⑤8



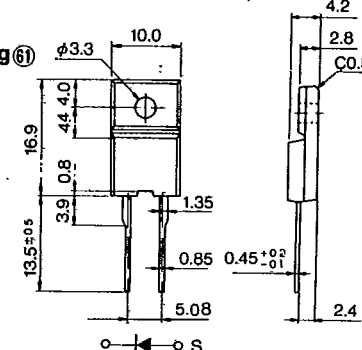
Outline Drawing ⑤9



Outline Drawing ⑥0



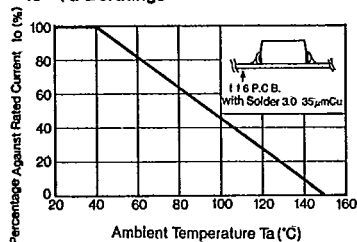
Outline Drawing ⑥1



⑤4~⑥1 Plastic Molded,
Flammability: UL94V-0
or Equivalent

SFPL-52 SFPL-62

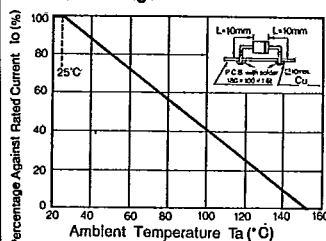
Io-Ta Deratings



AGO1 Series

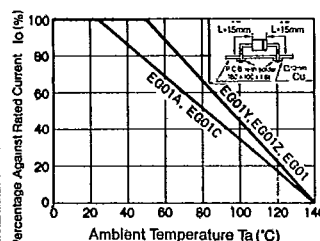
ALO1Z

Io-Ta Deratings



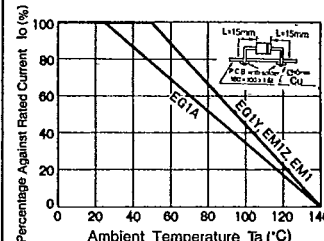
EGO1 Series

Io-Ta Deratings



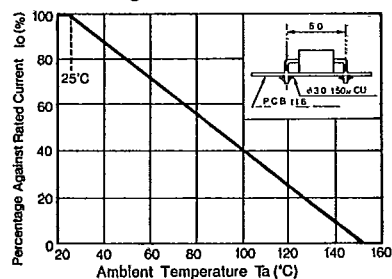
EG1 Series

Io-Ta Deratings



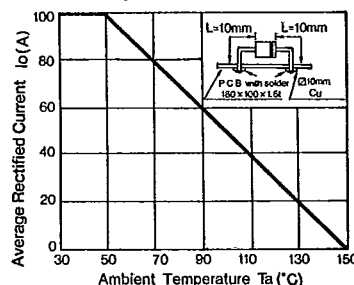
EL 1Z RG 1C

Io-Ta Deratings



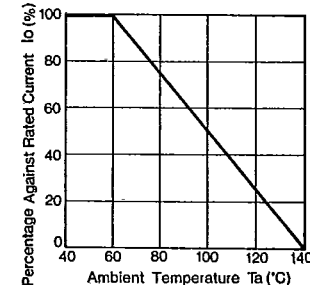
RU 1P RG 1C

Io-Ta Deratings



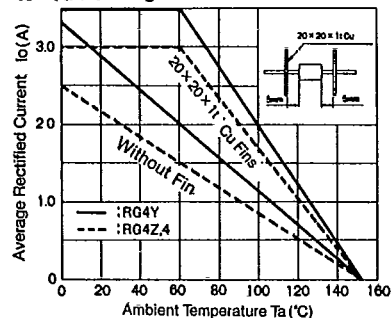
RG 2 Series

Io-Ta Deratings



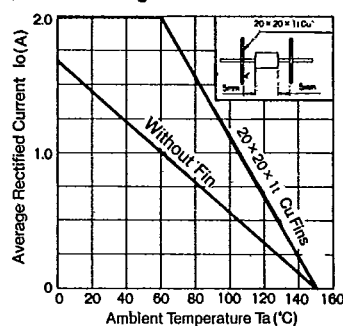
RG 4Y RG 4Z RG 4

Io-Ta Deratings



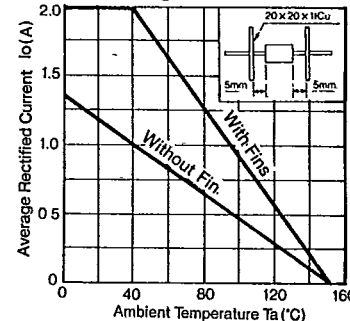
RG 4A

Io-Ta Deratings



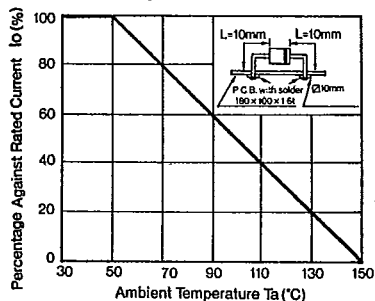
RG 4C

Io-Ta Deratings



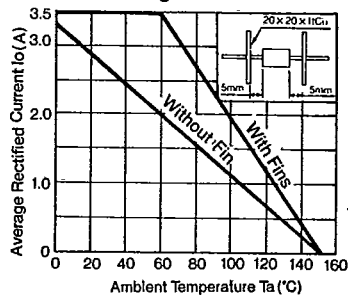
RL 2Z

Io-Ta Deratings



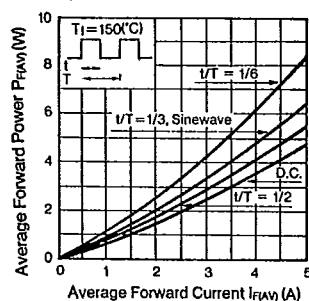
RL 4Z

Io-Ta Deratings

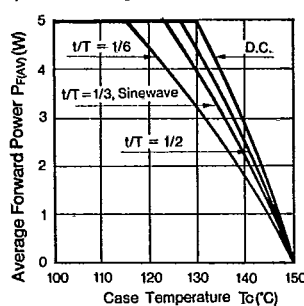


FMP-G12S

PFAV)-IF(AV) Characteristics



IF(AV)-Tc Deratings

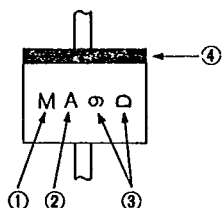


Taping Specifications

Designation	Dimension (in mm)	Packaging Dimension and Marking	Quantity
V1 Add Suffix [V1] to Type No.	Axial Taping 	Ammunition Pack 	2,000 pcs per box (2.7 ϕ body) 1,000 pcs per box (4.0 ϕ body)
VO Add Suffix [VO] to Type No.	Axial Taping 	Ammunition Pack 	2,000 pcs per box (2.7 ϕ body) (2.4 ϕ body)
V3 Add Suffix [V3] to Type No.	Axial Taping 	Reel 	1,500 pcs per reel (5.2 ϕ body)
V4 Add Suffix [V4] to Type No.	Axial Taping 	Ammunition Pack 	1,000 pcs per box (5.2 ϕ body)
W Add Suffix [W] to Type No.	Radial Taping 	Ammunition Pack 	4,000 pcs per box (2.7 ϕ body) (0.6 ϕ lead)
WS Add Suffix [WS] to Type No.	Radial Taping (Applicable to AO Series) 	Ammunition Pack 	2,500 pcs per box (2.4 ϕ body)
WK Add Suffix [WK] to Type No.	Radial Taping (Applicable to AO Series) 		

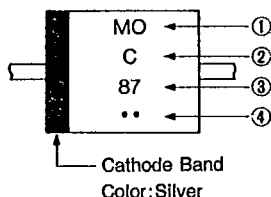
Marking Guide

1 Small TMD



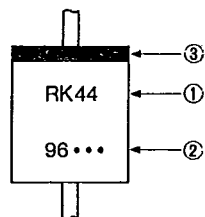
- ① Type Designation (in abbreviation)
AM01 is abbreviated as M.
- ② Class Designation
Z: 200V, No Letter: 400V, A: 600V
- ③ A: Year (Last Number of AD Year)
B: Month (Jan. to Sept. are represented by numbers 1 to 9 respectively, and Oct., Nov., and Dec. are abbreviated as O, N and D respectively)
- ④ Cathode Band: Successive Band, however AU02 Type is Non-Successive Band.

2 E/EO Type TMD



- ① Type Designation (in abbreviation)
EM01 is abbreviated as MO, EM2 is abbreviated as M2.
- ② Class Designation
Z: 200V, No Letter: 400V, A: 600V
B: 800 V, C: 1000V, F: 1500V
However, EU02A to be marked 2A, and EU2YX to be marked Y.
- ③ Abbreviations Representing Production Period
A: Year (Last Number of AD Year)
B: Month (1~9, O, N, D)
- ④ Production Period Divided in 3 ten day terms
• : 1st 10days •• : 2nd 10days ••• : 3rd 10days

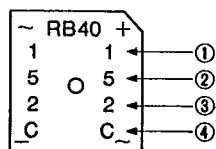
3 R Type TMD



- ① Type Designation: Mark in 2 sets
- ② Production Period: Mark in 4 sets
A: Year (Last Number of AD Year)
B: Month (1~9, O, N, D)
- ③ Production Period Divided in 3 ten day terms
• : 1st 10days •• : 2nd 10days ••• : 3rd 10days
- ④ Cathode Band Color: Silver: For Power Supply
Yellow: For Middle Speed
Red : For High Speed and Ultra-High Speed

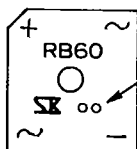
4 RB40/60

(RB40 Series)



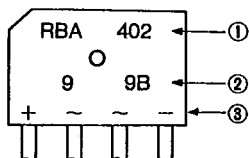
- ① Peak Reverse Voltage Designation
1, 2, 4, 6, C
- ② Production Period
- ③ Year (Last Number of AD Year)
- ④ Month (1~9, O, N, D)
- ⑤ Divided in 3 ten day terms
A: 1st 10days, B: 2nd 10days
C: 3rd 10days
- ⑥ Color Designation: Silver

(RB60 Series)



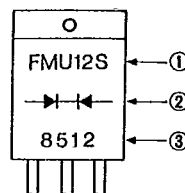
Dot Designation RB601 Violet
RB602 No Color
RB604 Blue
RB606 White

5 RBV/RBA



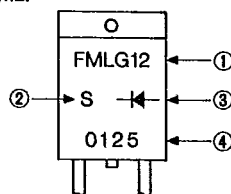
- ① Type Designation
- ② Lot Number
1st : Year (Last Number of AD Year)
2nd: Month (1~9, O, N, D)
3rd : Divided 1~3 ten day Terms
A: 1st 10 days B: 2nd 10 days
C: 3rd 10 days
- ③ In-Put Designation

6 TO220 Type (FM or CT Type)



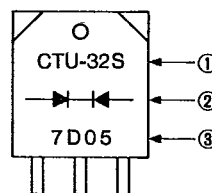
- ① Type Designation
Show FMU-12S as FMU12S.
- ② Polarity: Rectifier Symbols
- ③ Lot Number (Laser Marking)
1st : Year (Last Number of AD Year)
2nd : Month (0~9, O, N, D)
3rd, 4th: Day

7 TO220 Type (FM or CT Type, single chip)



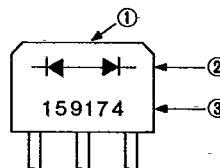
- ① Type Designation: Omit Last Letter
Show FML-G12S as FMLG12.
- ② Last Letter of Type Designation
- ③ Polarity: Rectifier Symbols
- ④ Lot Number (Laser Marking)
1st : Year (Last Number of AD Year)
2nd : Month (0~9, O, N, D)
3rd, 4th: Day

8 TO3P Type (FM or CT Type)



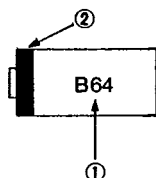
- ① Type shown in full designation
However, CTB-34/34S/34M are marked as CTB-34, CTU-G3DR is marked as CTUG3DR.
- ② Polarity: Rectifier Symbols
- ③ Lot Number:
1) M, U, G and L Types
First Number : Last Digit of AD Year
Second Number : Month
Third and Fourth Numbers: Day
Fifth Number : None
2) For types CTB-34/34S/34M, the fifth letter shows type designation. If no fifth number, the type is CTB-33 or CTB-34.
3) Marking Color: Silver

9 MI-10/15 Type



- ① MI-10/15 is die-stamped on the top of the case.
- ② Rectifier Symbols
- ③ Lot Number:
First Number : Peak Reverse Voltage:
(Letter) 0=50V, 1=100V, 2=200V,
4=400V, 6=600V, C=1000V
Second Number : Last Digit of AD Year
Third Number : Month
Fourth and Fifth Numbers: Day
Sixth Number : Production number and
U: Voltage Doubler Type

10 SFP Type



- ① Type Designation:
SFPB-64 is abbreviated at B64.
- ② Cathode Band