

Fast Recovery Diodes

■ $V_{RM}: 100 \sim 1300V$

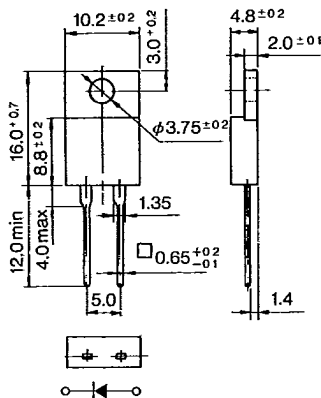
■Io:4.0~20A

T-03-17
T-23-05
T-23-07

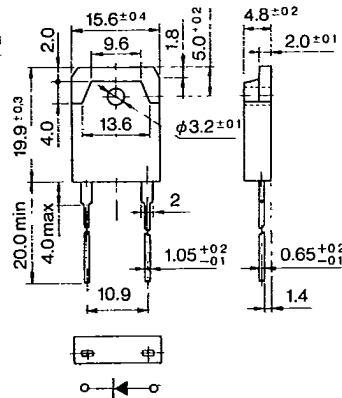
CTU/FMU

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 (μA)	I _{R(H)} (μA)	t _{rr} (μs)	Outline Drawing	Weight(g)	Taping	Internal Connections								
			With Flt	50Hz Half Sine Wave Pulse Single			Max: per chip	I _F (A)	V _R = V _{RM} max (per chip)	V _R = V _{RM} , Ta = 100°C max(per chip)	I _F /I _{RP} (mA)											
Type No.																						
CTU-G2DR	1350	1300	4.0	40	-40 ~ +140		2.0	4.0	100						④3	2.6						
CTU-G3DR	1350	1300	6.0	60				6.0							④4	6.1						
FMU-11S , R	150	100	5.0	30	-40 ~ +150		1.5	2.5	50	500	0.4	100/100	④5	2.1	(Center Tap) S Type 							
FMU-12S , R	250	200																				
FMU-14S , R	450	400																				
FMU-16S , R	650	600																				
FMU-21S , R	150	100	10	40			5.0															
FMU-22S, R	250	200																				
FMU-24S, R	450	400																				
FMU-26S, R	650	600																				
FMU-31S , R	150	100	20	80			10															
FMU-32S, R	250	200																				
FMU-34S, R	450	400																				
FMU-36S, R	650	600																				
CTU-11S	150	100	6.0	30	-40 ~ +140		2.0	3.0	50	500	0.4	10/10	④8	2.6	R Type 							
CTU-11R	150	100																				
CTU-12S	250	200																				
CTU-12R	250	200																				
CTU-14S	450	400																				
CTU-14R	450	400																				
CTU-16S	650	600																				
CTU-16R	650	600	8.0	40																		
CTU-21S	150	100																				
CTU-21R	150	100																				
CTU-22S	250	200																				
CTU-22R	250	200																				
CTU-24S	450	400																				
CTU-24R	450	400																				
CTU-26S	650	600																				
CTU-26R	650	600																				
CTU-22U	250	200	40 (per chip)													Voltage Doubler Type 						

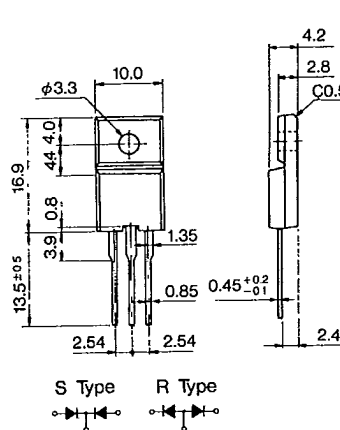
Outline Drawing ④③



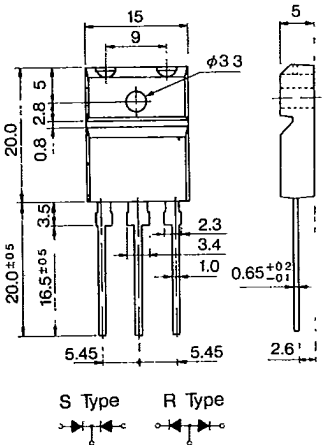
Outline Drawing ④④



Outline Drawing ④5



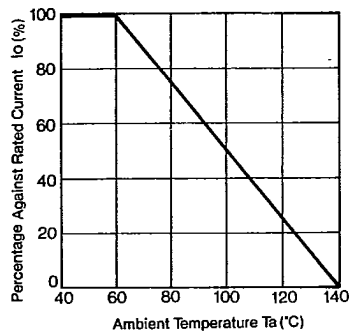
Outline Drawing ④⑥



④3~④6 Plastic Molded Flammability : UL94V-0 or Equivalent

CTU-G2R
CTU-G3R

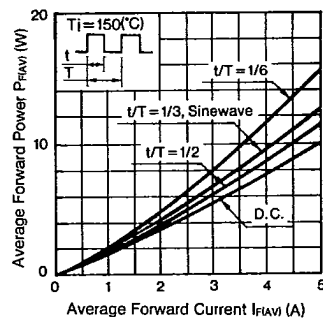
Io - Ta Deratings



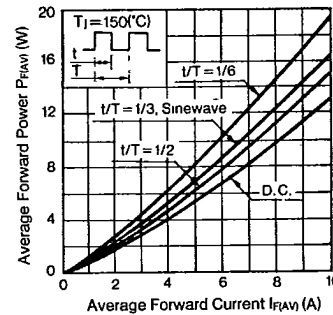
FMU Series

 $P_{F(AV)} - I_{F(AV)}$ Characteristics

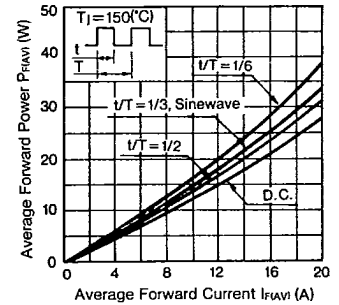
FMU-1



FMU-2

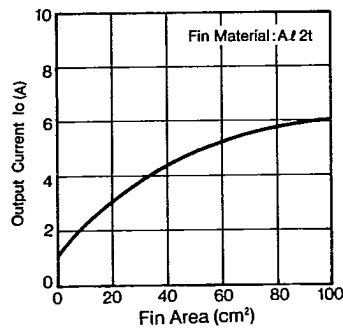


FMU-3

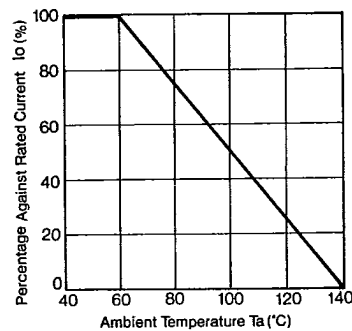


CTU-1 Series

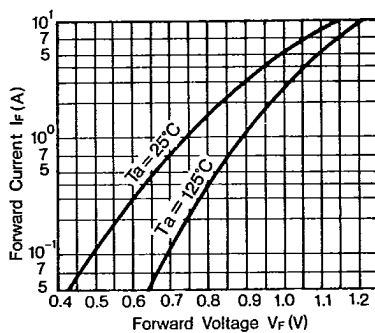
Io - Fin Characteristics



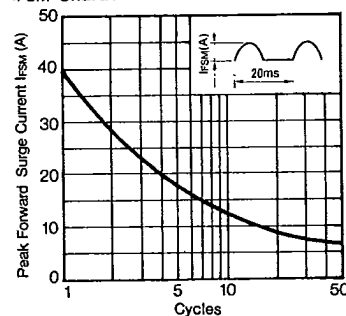
Io - Ta Deratings

CTU-2
Series

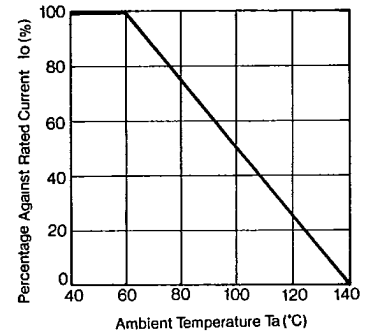
IF - VF Characteristics



IFSM Characteristics

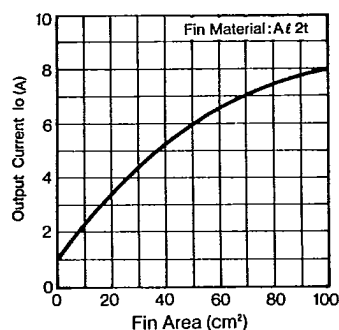


Io - Ta Deratings

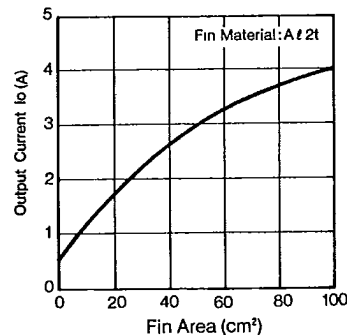


CTU-22U

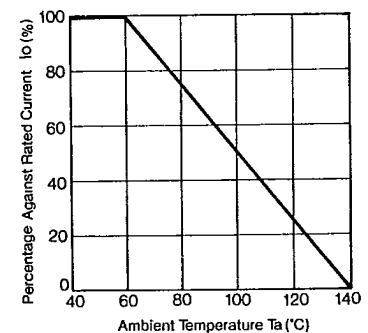
Io - Fin Characteristics



Io - Fin Characteristics



Io - Ta Deratings



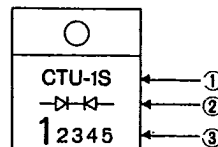
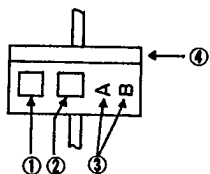
Taping Specifications

T-91-20

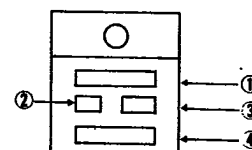
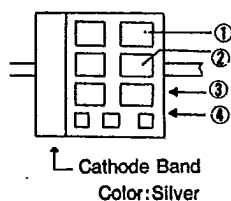
Designation	Dimension (in mm)	Packaging Dimension and Marking	Quantity
V Add Suffix [V] to type No.	Axial Taping 	Reel 	5,000 pcs per reel (2.7 ϕ body) 3,000 pcs per reel (3.0 ϕ body)
V1 Add Suffix [V1] to Type No.	Axial Taping 	Ammunition Pack 	2,000 pcs per box (2.7 ϕ body) 1,000 pcs per box (4.0 ϕ 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)
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) 	Ammunition Pack 	2,500 pcs per box (2.4 ϕ body)

T-91-20

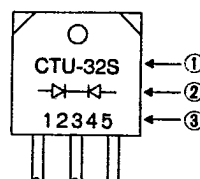
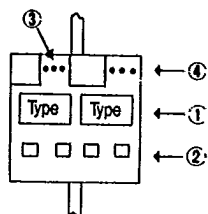
6 TO220 Type (FM or CT Type)



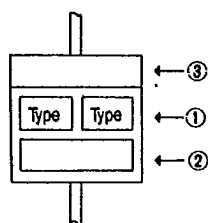
7 TO220 Type (FM or CT Type, single chip)



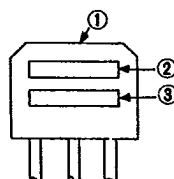
8 T03P Type (FM or CT Type)



9 MI-10/15 Type



- ①Type Designation:Mark in 2 sets
②Production Period and Term:Mark in 2 sets
A:Year (Last Number of AD Year)
B:Month (1~9, O, N, D)
• : 1st 10days •• : 2nd 10days ••• : 3rd 10days
③Cathode Band Color:Silver :For Rectifier
Yellow :For Middle Fast Recovery
Red :For Fast & Ultra-Fast Recovery



10 SFP Type

Type Designation	Color Dot
GM-1	Black
GH-1	Orange
GU-1	Green
GM-3	None
GH-3	Orange
GU-3	Green
GH-3S	Orange
GU-3S	Green

Class	V _{RM}	Cathode Band
Y	100	Brown
Z	200	Black
	400	Blue
A	600	Red
B	800	Green
C	1000	Yellow (2 Cathode Bands for GU-3 Only)
E	1300	Black
F	1500	Red

