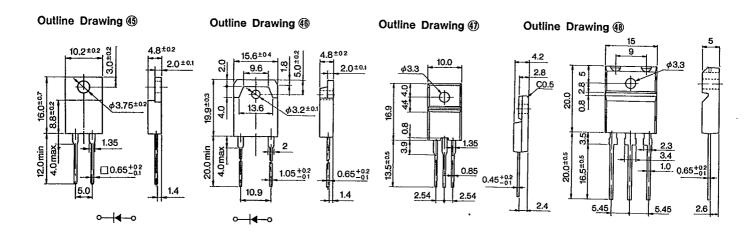
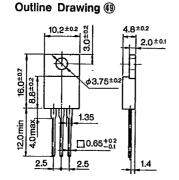
■V_{RM}:100~1300V

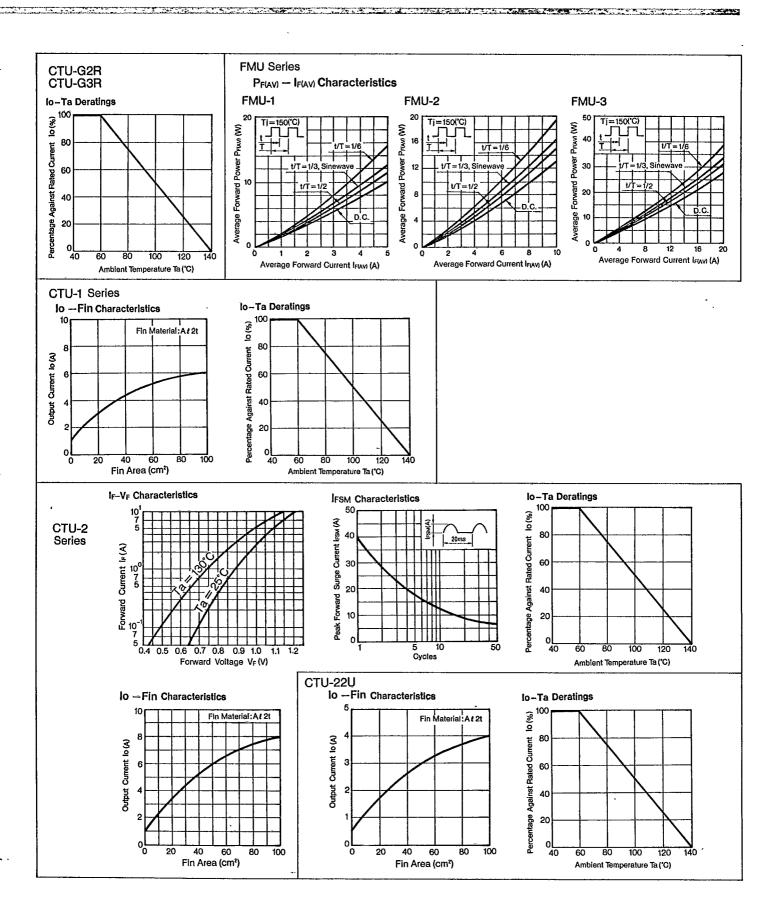
[a] lo:4.0~20/

CTU/FMU

Rating/	Absolute Maximum Ratings						Electrical Characteristics(Ta=25°C)					Others				
Characteristics	VRSM (V)	V _{RM} (V)	lo (A)	FSM (A)	Tj Tstg (°C) (°C)		V _F (V)		l _R (μA)	l _{R(H)} (μA)	trr (μs)		ne ing	ıt(g)	g	.⊑ Internal
Type No.			With Fin	50Hz Half Sine Wave Single Pulse			Max. perchip	l _F (A)	V _R =V _{RM} max (per chip)	V _R =V _{RM} , Ta=100°C max(per chip)		IF/IRP (mA)	Outline Drawing	Weight(g)	Taping	Connections
CTU-G2DR	1350	1300	4.0	40	-40~+14		140 2.0	4,0	100				45	2.6		
CTU-G3DR	1350	1300	6.0	60		· + 140		6.0						6.1		0 √ • •
FMU-128, R	250	200	5.0	30										0.1	1 }	
FMU-14S, R	450	400						2,5								
FMU-16S, R	650	600														ı
FMU-21S, R	150	100	10	40 .								100/100	0	2.1		
FMU-22S, R	250	200			-40~+150											
FMU-24S, R	450	400				+ 150	1.5	5.0		500	0.4				•	S Type ∘ -▶l I
FMU-26S, R	650	600														
FMU-32S, R	250	200		_ 80				-								0
FMU-34S, R	450	400~	20			:		10					4 8	5.5		R Type
FMU-36S, R	650	600				- 1							49	3.3		
CTU-12S, R	250	200		30			2.0	3.0				10/10	(9) 2			
CTU-14S, R	450	400	6.0											2.6		14/21
CTU-16S, R	650	600														
CTU-21S, R	150	100	8.0	40	40 <i>~</i> -	+140										
CTU-228, R	250	200						5.0								
CTU-24S, R	450	400														
CTU-26S, R	650	600				l										



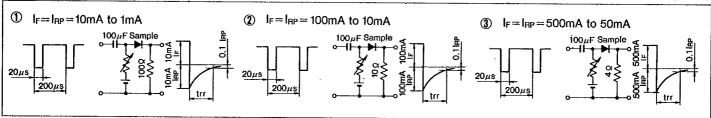




Symbols/trr Measurement Circuit

Symbols VRSM Peak Reverse Surge Voltage **IRSM** Peak Reverse Surge Current Tstg Storage Temperature Peak Reverse Voltage V_{RM} Reverse Current lĸ trr Reverse Recovery Time Reverse Voltage (Peak to Peak) V_{P-P} lpp Peak Reverse Current Ct Total Capacitance Between Terminals V_{R} Reverse Voltage Reverse Current (High Temperature) R(H) Thermal Resistance, Junction Rth(j-c) Forward Voltage V_F Ιz Avalanche Current to Case Temperature Coefficient of .rz Vв Breakdown Voltage Allowable Avalanche Current Izsm Breakdown Voltage Average Rectified Forward Current Та **Ambient Temperature** Rz Equivalent Resistance of Breakdown Region **Forward Current** lF Τj Junction Temperature Average Forward Power PF(AV) IF(AV) Average Forward Current Topr Operating Ambient Temperature Dissipation l²t I2t limiting Value Peak Forward Surge Current **IFSM** Тс Case Temperature

Reverse Recovery Time Measurement Circuit

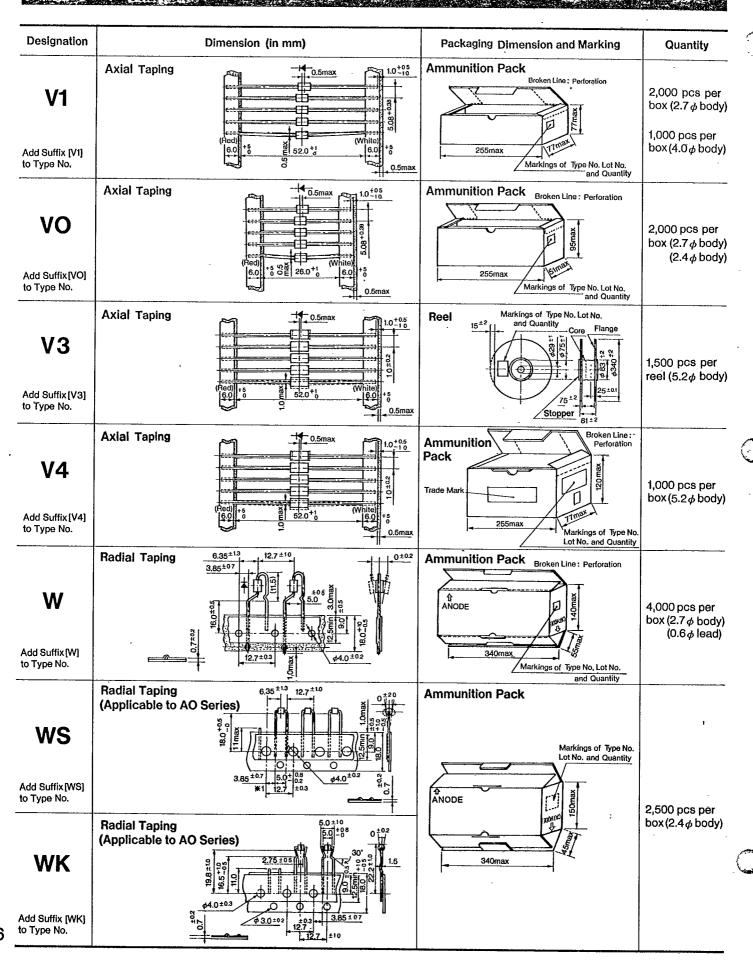


Taping Specifications

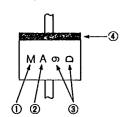
Excluding High Voltage Diodes

Designation	Dimension (in mm)	Packaging Dimension and Marking	Quantity
V	Tape Carrier Method $4.5^{\pm 0.2}$ $4.0^{\pm 0.1}$	Reel Marking of Type No., Lot No. and Quantity	1,800 pcs per reel
Add Suffix [V] to Type No.	(1) Right side of taping direction is cathode. (2) Place electrode side down when casting. (3) Provide leader tape of 150~200mm at beginning of tape. (4) Provide space of more than 10 pitches each for beginning and end of tape.	φ178 ^{±2} 14 2.0 ^{±05}	ir.
V	Axial Taping	Reel Markings of Type No. Lot No. 15 ±2 and Quantity Core Flange	5,000 pcs per reel (2.7 φ body)
Add Suffix [V] to type No.	(Red) (White) (6.0) +5	75 ± 2 25 ± 01 Stopper 81 ± 2	3,000 pcs per reel (4.0 φ body)

Taping Specifications



MSmall TMD



()Type Designation (in abbreviation) AM01 is abbreviated as M.

②Class Designation

Z:200V, No Letter: 400V, A:600V

③A: 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.

PE/EO Type TMD

Type Designation (in abbreviation)

EM01 is abbreviated as MO, EM2 is abbreviated as M2.

2Class 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

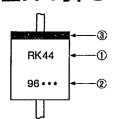
A: Year (Last Number of AD Year)

B:Month (1~9, 0, N, D)

Production Period Divided in 3 ten day terms

• : 1st 10days •• : 2nd 10days ••• : 3rd 10days

BR Type TMD



Cathode Band

Color:Silver

①Type Designation:Mark in 2 sets

@Production Period: Mark in 4 sets

A: Year (Last Number of AD Year)

B: Month (1~9, 0, N, D)

③Production Period Divided in 3 ten day terms

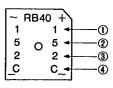
• : 1st 10days •• : 2nd 10days ••• ; 3rd 10days

Yellow: For Middle Speed

Red : For High Speed and Ultra-High Speed

4 RB40/60

(RB40 Series)



()Peak Reverse Voltage Designation

1, 2, 4, 6, C

Production Period

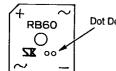
②Year (Last Number of AD Year)

③Month (1~9, 0, N, D)

A: 1st 10days, B: 2nd 10days

C: 3rd 10days

Color Designation: Silver



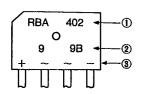
(RB60 Series)

Dot Designation RB601 Violet RB602 No Color

RB604 Blue

RB606 White

BRBV/RBA



①Type Designation

②Lot Number

1st : Year (Last Number of AD Year)

2nd: Month (1~9, 0, N, D)

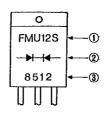
3rd: Divided 1~3 ten day Terms

A: 1st 10 days B; 2nd 10 days

C: 3rd 10 days

3In-Put Designation

6T0220 Type (FM or CT Type)



()Type Designation

Show FMU-12S as FMU12S.

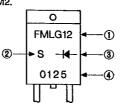
@Polarity:Rectifier Symbols 3 Lot Number (Laser Marking)

: Year (Last Number of AD Year)

: Month (0~9, 0, N, D)

3rd, 4th: Day

ZTO220Type (FM or CT Type, single chip)



①Type Designation:Omit Last Letter Show FML-G12S as FMLG12.

②Last Letter of Type Designation

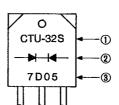
③Polarity: Recitifier Symbols

: Year (Last Number of AD Year)

: Month (0~9, 0, N, D)

3rd, 4th: Day

BTO3P Type (FM or CT Type)



Type shown in full designation

However, CTB-34/34S/34M are marked as CTB-34, CTU-G3DR is marked as CTUG3DR.

@Polarity: Rectifier Symbols

3Lot Number:

1) M, U, G and L Types

First Number : Last Digit of AD Year

Second Number : Month

Third and Fourth Numbers: Day

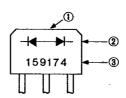
Fifth Number : None

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.

Marking Color: Silver

MI-10/15 Type



①MI-10/15 is die-stamped on the top of the case.

@Rectifier Symbols

3Lot 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

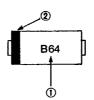
Fourth and Fifth Numbers: Day

Sixth Number

:Production number and

U:Voltage Doubler Type

MSFP Type



()Type Designation:

SFPB-64 is abbreviated at B64,

②Cathode Band

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