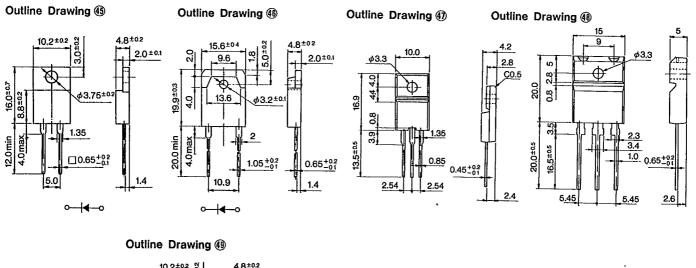
SANKEN ELECTRIC CO LTD 35E_D R 7990741 0000809 **Fast Recovery Diodes**

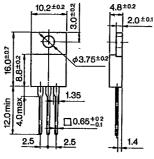
勝特力電材超市-龍山店 886-3-5773760 勝特力電材超市-光復店 886-3-572957(胜特力电子(上海) 86-21 胜特力电子(深圳) 86-755-8329878 http://www.100y.com.tw

CTU/FMU

Rating/	Absolute Maximum Ratings						Electrical Characteristics(Ta=25°C)					Others				
Characteristics	VRSM (V)	Vrm (V)	lo (A)	IFSM (A)	Tj Tstg (°C) (°C)		VF (V)		l _R (μΑ)	IR(H) trr (μA) (μS)			e ju	ing t(g)		Internal
Type No.			With Fin	50Hz Half Sine Wave Single Pulse			Max. perchip	1 _F (A)	VR=VRM max(perchip)	V _R =V _{RM} , Ta=100°C max(per chip)	1	IF/IRP (mA)		Weight(g)	Taping	Connections
CTU-G2DR	1350	1300	4.0	40	-40~	+ 140	2.0	4,0	100			45	2.6			
CTU-G3DR	1350	1300	6.0	60				6.0					46	6.1	1	○ ∢0
FMU-12S, R	250	200	5.0	30												
FMU-14S, R	450	400						2.5								
FMU-16S, R	650	600														
FMU-21S, R	150	100	10								100/100	1	2.1			
FMU-22S, R	250	200		40.	-40~+150					6.1						
FMU-24S, R	450	400				+ 150	50 1.5	5.0	10 50		500 0.4			5.5		S Type ⊶₽+Ţ/╉-∾
FMU-26S, R	650	600								500						
FMU-32S, R	250	200	20	_ 80				10					48			
FMU-34S, R	450	400~														·
FMU-36S, R	650	600														R Type
CTU-12S, R	250	200	6.0		-40~+140		2.0	3.0							R Type ∘-Kartpt-∘	
CTU-14S, R	450	400		30												
CTU-16S, R	650	600														
CTU-21S, R	150	100	8.0	40		+ 140						10/10	10	2.6		
CTU-22S, R	250	200						5.0				10/10				
CTU-24S, R	450	400														
CTU-26S, R	650	600														

W_{RM}:100~1300V



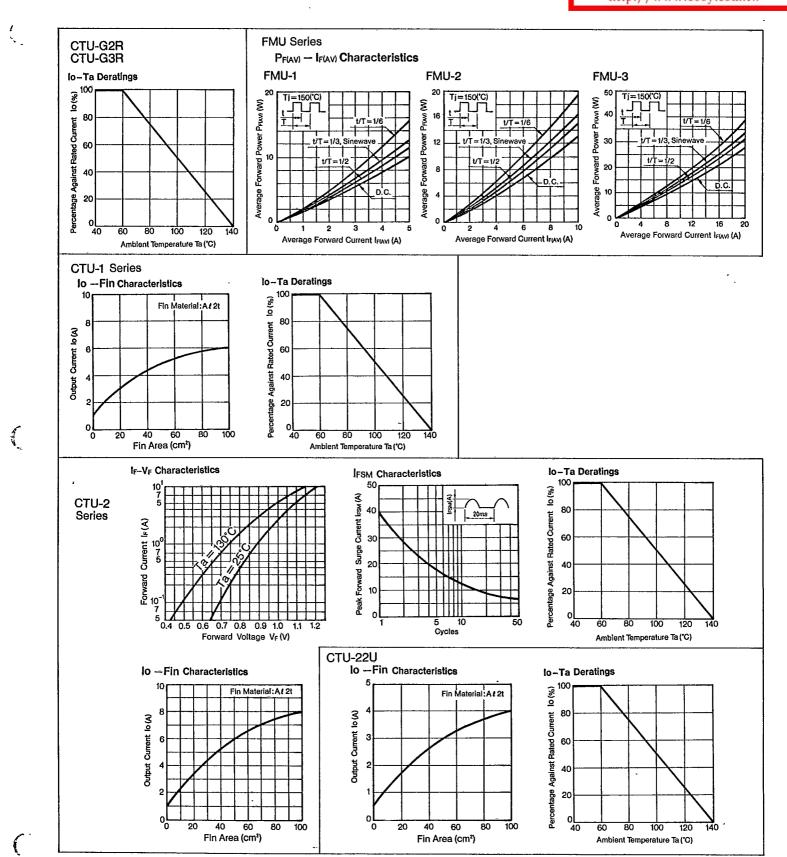


4 - Plastic Molded Flammability : UL94V-0 or Equivalent

SANKEN ELECTRIC CO LTD

35E D 🖾 7990741

勝特力電材超市-龍山店 886-3-5773766 勝特力電材超市-光復店 886-3-5729570 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 http://www.100y.com.tw



25

SANKEN ELECTRIC CO LTD

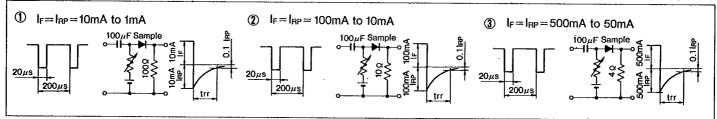
35E D 7990741

ibols/trr:Measurement Circuit

勝特力電材超市-龍山店 886-3-5773766 電材超市-光復店 886-3-5729570 86-21-34970699 胜特力电子(上海) 胜特力电子(深圳) 86-755-83298787 http://www.100y.com.tw

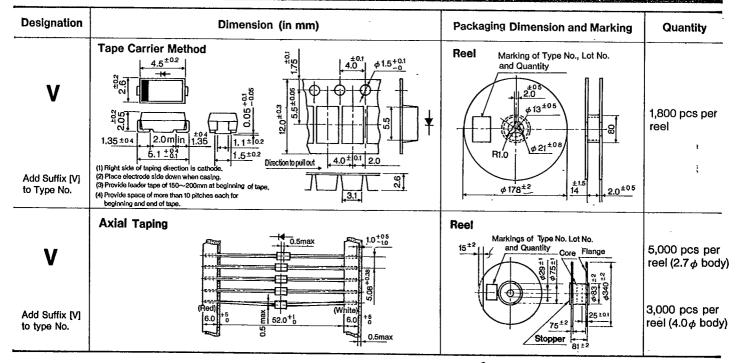
			-	,			
VRSM	Peak Reverse Surge Voltage	IRSM	Peak Reverse Surge Current	Tstg	Storage Temperature		
Vrм	Peak Reverse Voltage	le	Reverse Current	trr	Reverse Recovery Time		
VP-P	Reverse Voltage (Peak to Peak)	RP	Peak Reverse Current	Ct	Total Capacitance Between		
VR	Reverse Voltage	R(H)	Reverse Current (High Temperature)	•	Terminals		
/F	Forward Voltage	Iz	Avalanche Current	Rth(j-c)	Thermal Resistance, Junction		
/B	Breakdown Voltage	Izsm	Allowable Avalanche Current	rz	Temperature Coefficient of Breakdown Voltage		
0	Average Rectified Forward Current	Та	Ambient Temperature	Rz	Equivalent Resistance of Breakdown Region Average Forward Power Dissipation		
F	Forward Current	Ti	Junction Temperature				
F(AV)	Average Forward Current	Topr	Operating Ambient Temperature	P _{F(AV)}			
FSM	Peak Forward Surge Current	Тс	Case Temperature	l²t	I ² t limiting Value		

Reverse Recovery Time Measurement Circuit



Taping Specifications

Excluding High Voltage Diodes



SANKEN ELECTRIC CO LTD 35E D 3790741 0000791 4 3 SAKJ 7-90-20

Taping Specifications

Designation Dimension (in mm) **Packaging Dimension and Marking** Quantity **Ammunition Pack Axial Taping** 1.0+05 Broken Line: Perforation 2,000 pcs per **V1** Æ box $(2.7\phi body)$ Œ f h 5.08 1,000 pcs per =D3 (White $box(4.0\phi body)$ +5 255max 52.0 % Add Suffix [V1] 6.0 to Type No. Markings of Type No. Lot No. and Quantity 0.5ma 0.5max Ammunition Pack Broken Line : Perforation **Axial Taping** 1.0⁺⁰⁵ VO 2,000 pcs per 35max ٦ box (2.7 ϕ body) 5.08 $(2.4\phi body)$ 由 5 0 E 26.0+1 255max Add Suffix [VO] Markings of Type No. Lot No. and Quantity to Type No. 0.6max Axial Taping Markings of Type No. Lot No. Reel 🗍 0.5ma) $1.0^{+0.5}_{-1.0}$ 15^{±2} and Quantity Flange Core **V3** -1-1,500 pcs per FIJ reel (5.2 ϕ body) Add Suffix [V3] 52.0 +5 Q 75± to Type No. 0.5max Stopper 81 **Axial Taping** Broken Line ; 0.5max Ammunition Perforation Pack V4 1,000 pcs per Trade Ma õ box (5.2 ϕ body) Œ ŝ Add Suffix [V4] 52.0 ¥5 255max to Type No. 0.6ma Markings of Type No Lot No. and Quantity 6.35^{±1.3} Ammunition Pack Broken Line: Perforation **Radial Taping** 12.7 ±10 0±02 3,85^{±07} W 仓 ANODE Ø 4,000 pcs per 1040% box (2.7 ϕ body) (0.6*\phi* lead) 18.0+ Add Suffix [W] 340 \$4.0^{±0.2} 7±03 to Type No. Markings of Type No, Lot No. and Quantity **Radial Taping** 6.35^{±1.3} 12.7^{±1.0} **Ammunition Pack** (Applicable to AO Series) WS Markings of Type No. Lot No. and Quantity 0 Ø φ4.0² 50 3.85 å. Add Suffix [WS] 10 ANODE to Type No. 2,500 pcs per 5.0 ±10 5.0 ±08 $box(2.4\phi body)$ **Radial Taping** (Applicable to AO Series) WK 2.75±0 340max 19.8 ±1.0 1.5 23 16.5 64.0±0.3 <u>±</u>02 Add Suffix [WK] 3.0±02 3.85±07 to Type No. 127 ±10

6

SANKEN ELECTRIC CO LTD

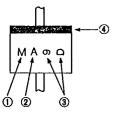
35E D 7990741

CITICIE

勝特力電材超市-光復店 886-3-5729570 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 http://www.100y.com.tw

勝特力電材超市-龍山店 886-3-5773766

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)

④Cathode 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. MO **(2)**Class Designation С Z:200V, No Letter:400V, A:600V 87 **(3**)

- 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:Mark in 4 sets

Yellow: For Middle Speed

①Peak Reverse Voltage Designation

(2)Year (Last Number of AD Year)

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

④Divided in 3 ten day terms

Color Designation: Silver

RB602 No Color

RB604 Blue

RB606 White

1, 2, 4, 6, C

Production Period

3Month (1~9, 0, N, D)

C: 3rd 10days

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

A:Year (Last Number of AD Year)

③Production Period Divided in 3 ten day terms

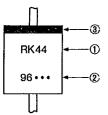
@Cathode Band Color:Silver:For Power Supply

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

Red : For High Speed and Ultra-High Speed

- (a) Production Period Divided in 3 ten day terms
 - : 1st 10days •• : 2nd 10days ••• : 3rd 10days

OR Type TMD ①Type Designation:Mark in 2 sets

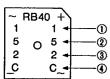


Cathode Band

Color:Silver

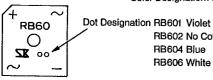
2 RB40/60

(RB40 Series)

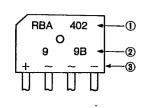






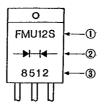


BRBV/RBA



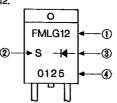
(1)Type Designation ②Lot Number 1st : Year (Last Number of AD Year) 2nd: Month (1~9, 0, N, D) 3rd : Divided 1~3 ten day Terms A: 1st 10 days B: 2nd 10 days C: 3rd 10 days **③In-Put Designation**





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

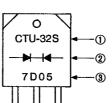
ZTO220Type (FM or CT Type, single chip)



OType Designation:Omit Last Letter Show FML-G12S as FMLG12. ②Last Letter of Type Designation ③Polarity:Recitifier Symbols @Lot Number (Laser Marking) 1st : Year (Last Number of AD Year)

2nd : Month (0~9, 0, N, D) 3rd, 4th: Day

ETOSP Type (FM or CT Type)



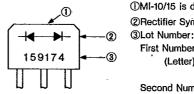
However, CTB-34/34S/34M are marked as CTB-34, CTU-G3DR is marked as CTUG3DR. ②Polarity:Rectifier Symbols

- 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

First Number

(Letter)

2MI-10/15 Type



①MI-10/15 is die-stamped on the top of the case. **@Rectifier Symbols**

:Peak Reverse Voltage: 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

OSFPType



()Type Designation: SFPB-64 is abbreviated at B64, ②Cathode Band

OType shown in full designation

③Lot Number: