

# Ultra Fast Recovery Diodes

$V_{RM}: 100 \sim 600V$

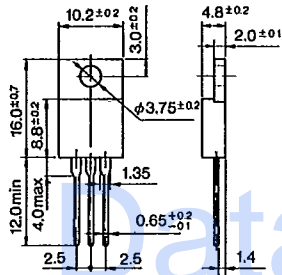
$I_o: 5 \sim 20A$

## CTL/RBV/RBA

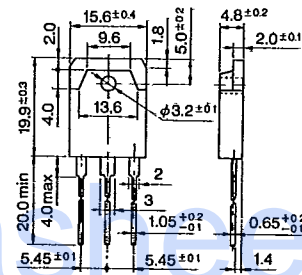
Rating/ Characteristics	Absolute Maximum Ratings					Electrical Characteristics (Ta = 25°C)					Others				
	V <sub>RSM</sub> (V)	V <sub>RM</sub> (V)	I <sub>o</sub> (A)	I <sub>FSM</sub> (A)	T <sub>J</sub> (°C)	T <sub>stg</sub> (°C)	V <sub>F</sub> (V)	I <sub>R</sub> (mA)	I <sub>R(H)</sub> (mA)	trr (μs)	I <sub>F</sub> /I <sub>RP</sub> (mA)	Outline Drawing	Weight(g)	Taping	Note
Type No.	per chip		With Fin	50Hz Half Sine Wave Single Pulse			Max. per chip	I <sub>F</sub>	V <sub>R</sub> = V <sub>RM</sub> max (per chip)	V <sub>R</sub> = V <sub>RM</sub> , T <sub>J</sub> = 140°C max (per chip)					
CTL-12S	200	200	5.0	35	-40 ~ +140		0.98	2.5	0.1	1.5	0.04	100/100	⑥⑧	2.6	For High Frequency Rectification
CTL-21S	100	100	10	65											
CTL-22S	200	200	20	150											
CTL-31S	100	100													
CTL-32S	200	200													
RBV-406H	600	600	4.0	120	-40 ~ +150		1.0	2.0	0.01	0.1 (Ta = 100°C)	5.0		⑦⑩	4.05	
RBA-402L	200	200		80											
RBV-602L	200	200	6.0	100											
							1.0	3.0	0.25	1.0	0.05	100/100	⑦⑪	6.45	

Thermal Resistance R<sub>th(j-c)</sub> max : 3.0°C/W (CTL-1, CTL-2)  
1.5°C/W (CTL-3)

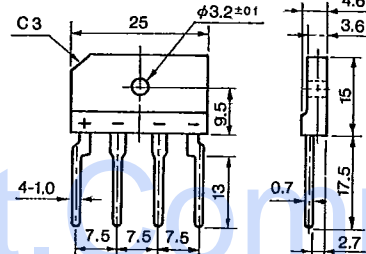
Outline Drawing ⑥⑧



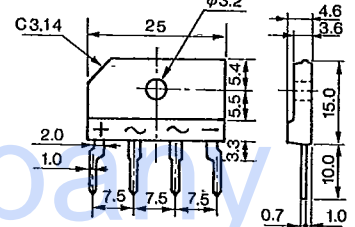
Outline Drawing ⑥⑨



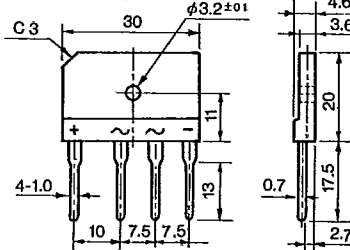
Outline Drawing ⑦⑩



Outline Drawing ⑦⑪



Outline Drawing ⑦⑫



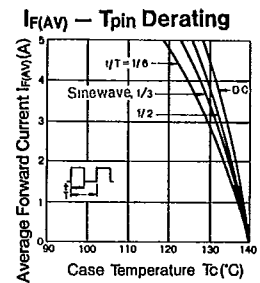
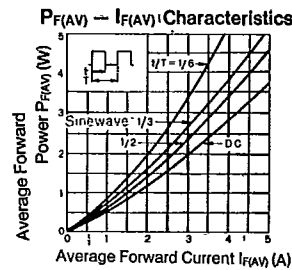
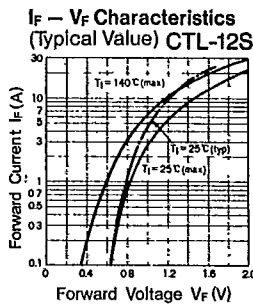
Center Tap Internal Connection:

S Type

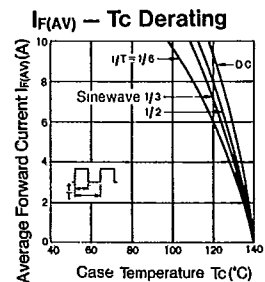
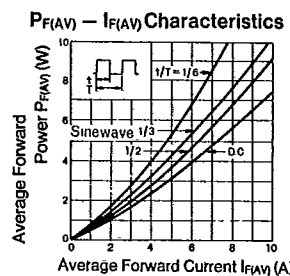
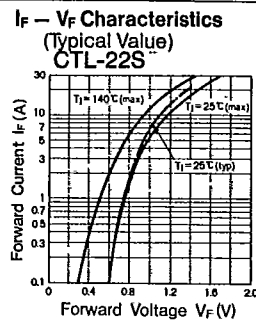


⑥⑧ ~ ⑦⑫ Plastic Molded, Flammability :  
UL94V-0 or Equivalent

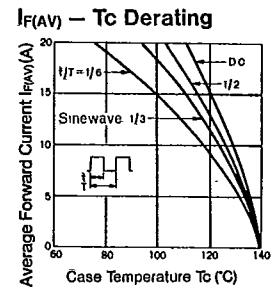
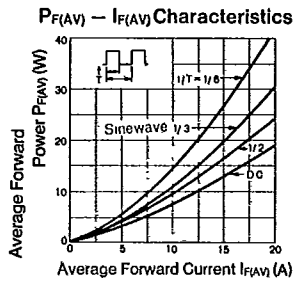
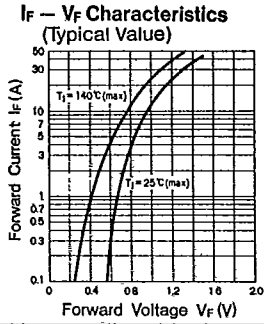
CTL-12S



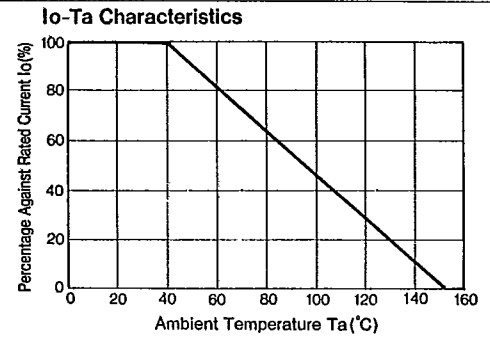
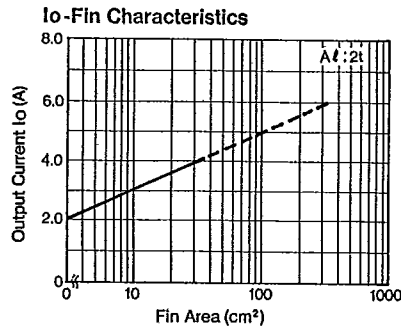
CTL-2 Series



CTL-3 Series



RBV-406H



RBA-402L

