

Ultra Fast Recovery Diodes

$V_{RM}: 70 \sim 400V$

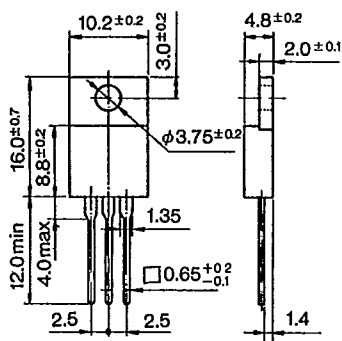
$I_o: 5.0 \sim 20A$

CTG

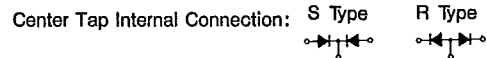
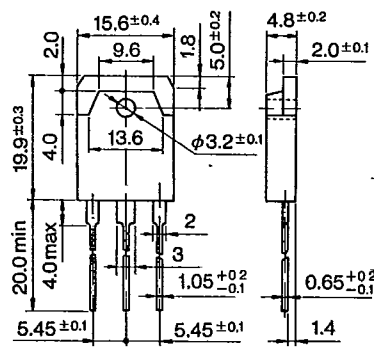
Rating/ Characteristics	Absolute Maximum Ratings						Electrical Characteristics (Ta = 25°C)					Others			
	V <sub>RSM</sub> (V)	V <sub>RM</sub> (V)	I <sub>o</sub> (A)	I <sub>FSM</sub> (A)	T <sub>j</sub> (°C)	T <sub>stg</sub> (°C)	V <sub>F</sub> (V)	I <sub>R</sub> (mA)	I <sub>R(H)</sub> (mA)	tr (μs)	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> (A)	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)					
CTG-11S	70	70	5.0	35	-40 ~ +140		1.3	2.5	1.5	0.1	100/100	⑥⑥		For High Frequency Rectification	
CTG-11R	70	70													
CTG-12S	200	200													
CTG-12R	200	200													
CTG-14S	400	400	10	65			1.3	5.0	2.5			2.6			
CTG-21S	70	70													
CTG-21R	70	70													
CTG-22S	200	200													
CTG-22R	200	200	8.0				1.8	5.0	2.5			⑥⑥			
CTG-23S	300	300													
CTG-23R	300	300													
CTG-24S	400	400													
CTG-24R	400	400	20	150			2.0	10	5.0			6.1			
CTG-31S	70	70													
CTG-31R	70	70													
CTG-32S	200	200													
CTG-32R	200	200	16	100	1.8	10	5.0	⑥⑦							
CTG-33S	300	300													
CTG-33R	300	300													
CTG-34S	400	400													
CTG-34R	400	400			2.0										

Thermal Resistance R<sub>th(j-c)</sub>: 3.0°C/W (CTG-11S~24 R)  
1.5°C/W (CTG-31S~34R)

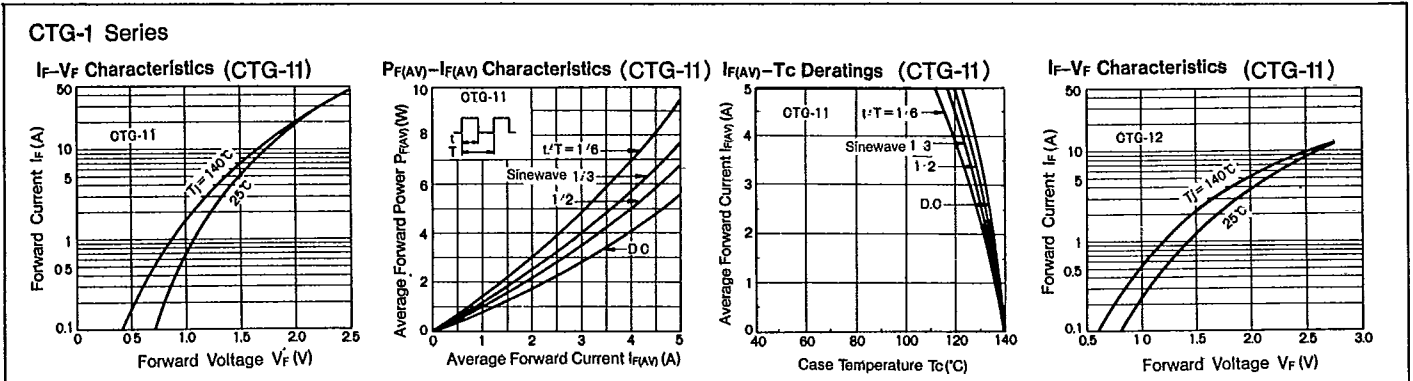
Outline Drawing ⑥⑥

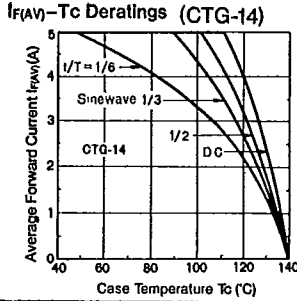
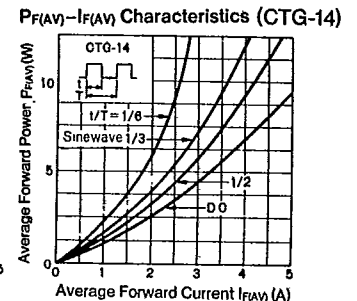
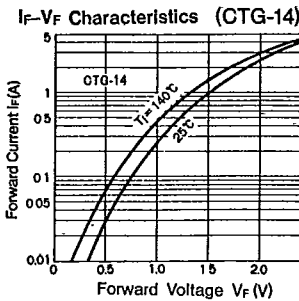
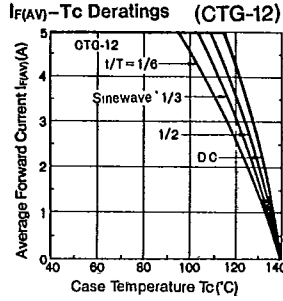
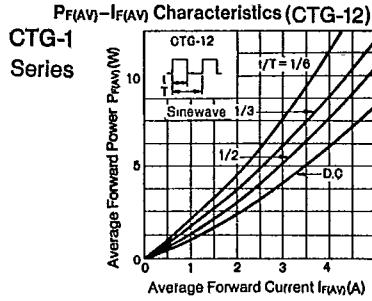


Outline Drawing ⑥⑦

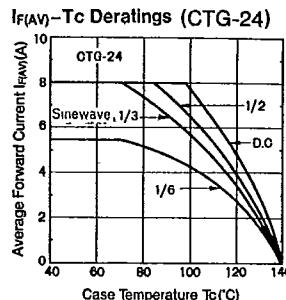
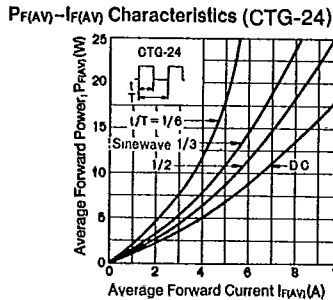
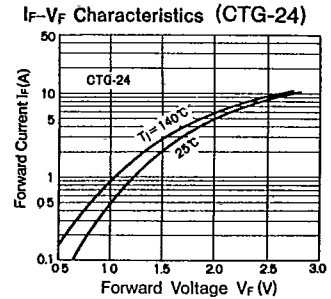
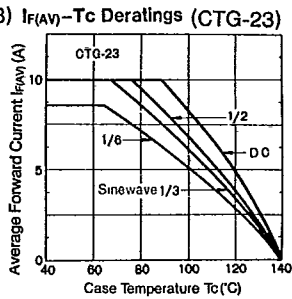
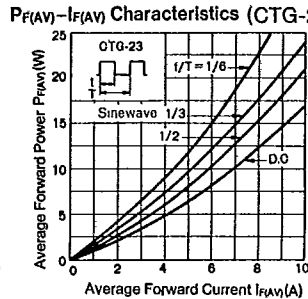
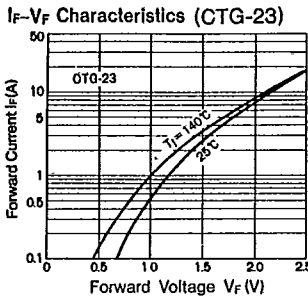
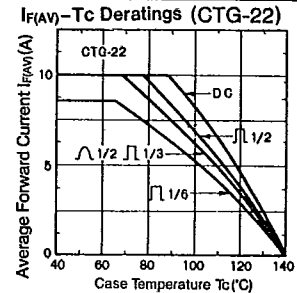
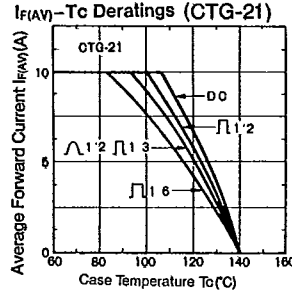


⑥⑥⑦ Plastic Molded, Flammability : UL94V-0 or Equivalent





**CTG-2 Series**



**CTG-3 Series**

