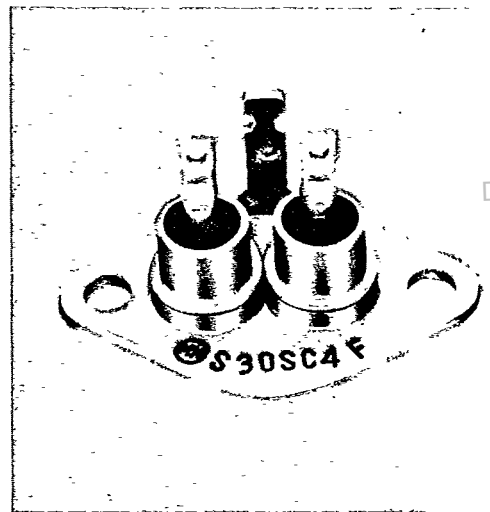
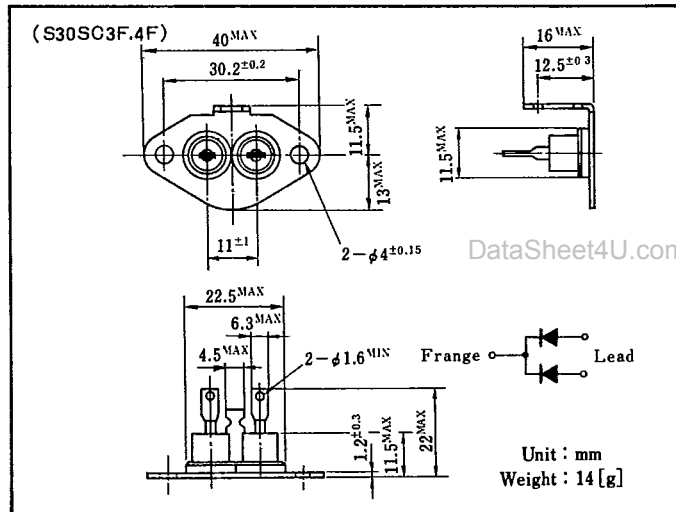
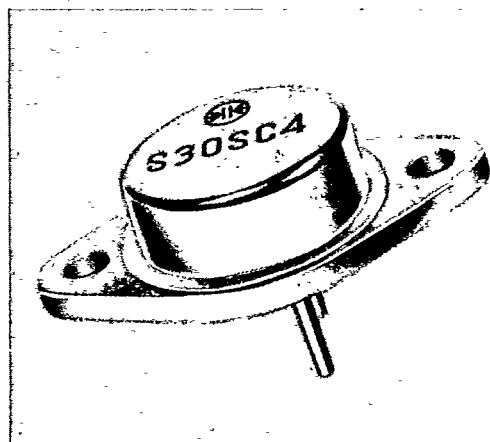
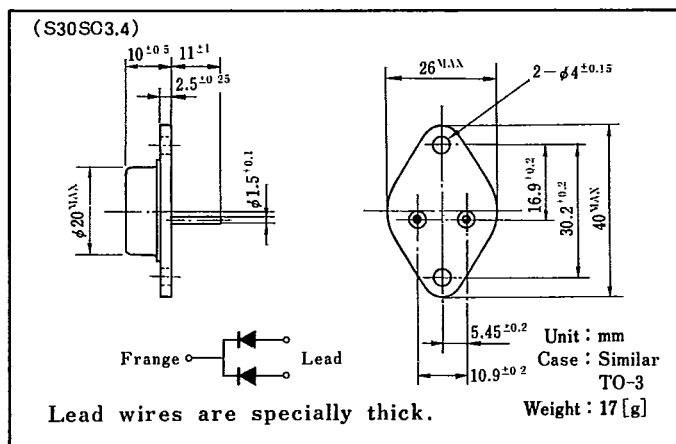


S30SC 30V
40V

Dual Schottky Diode

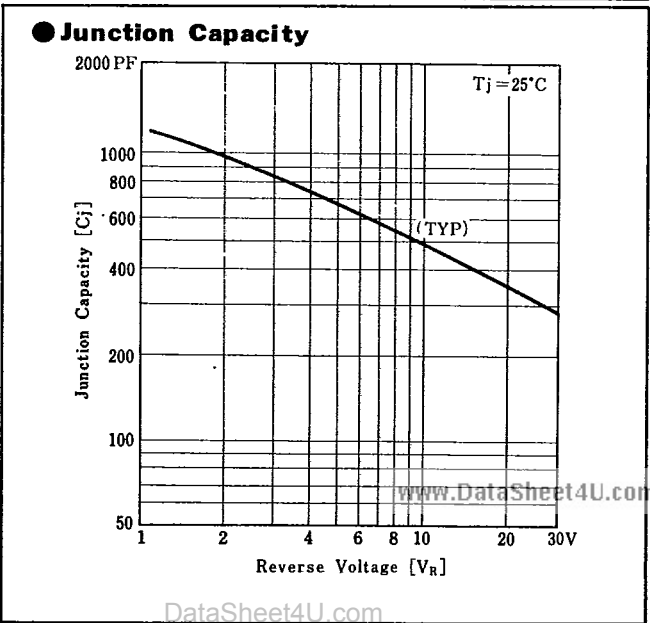
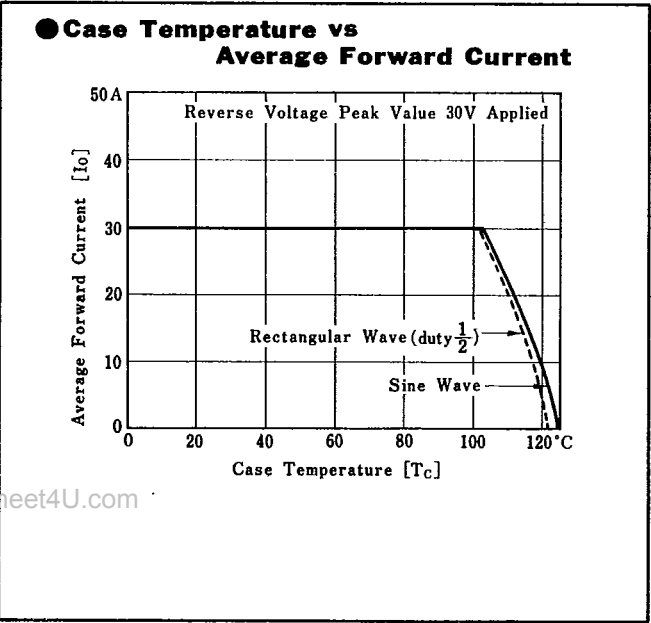
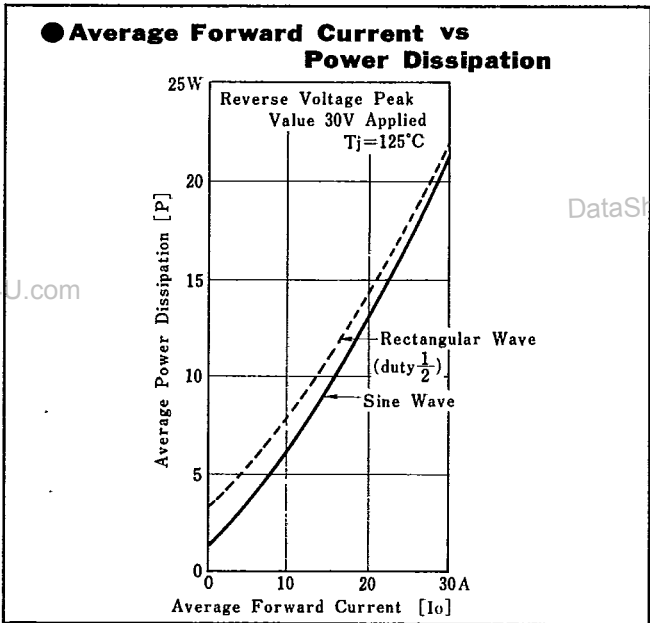
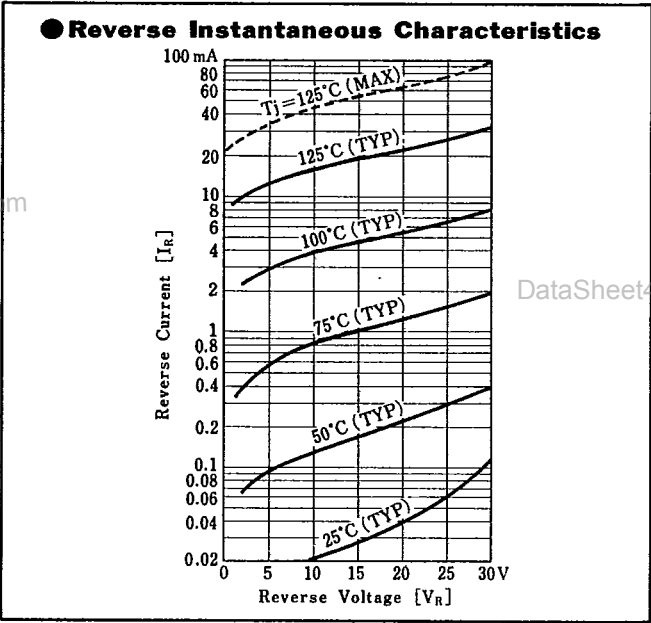
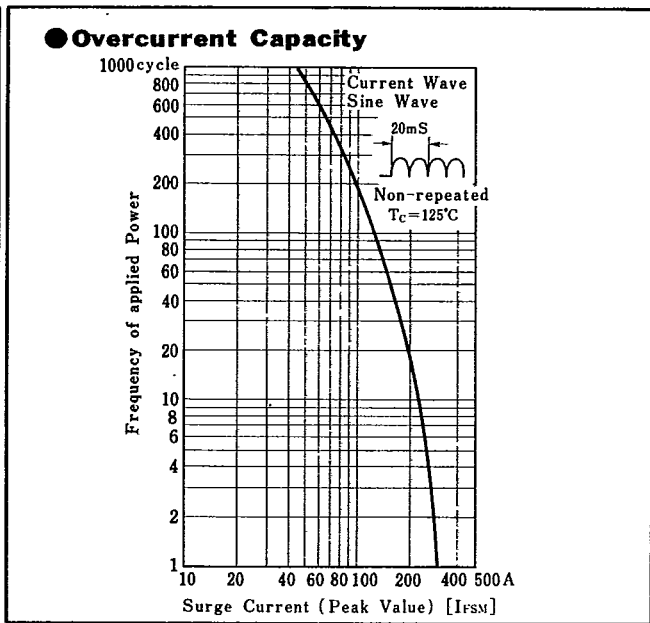
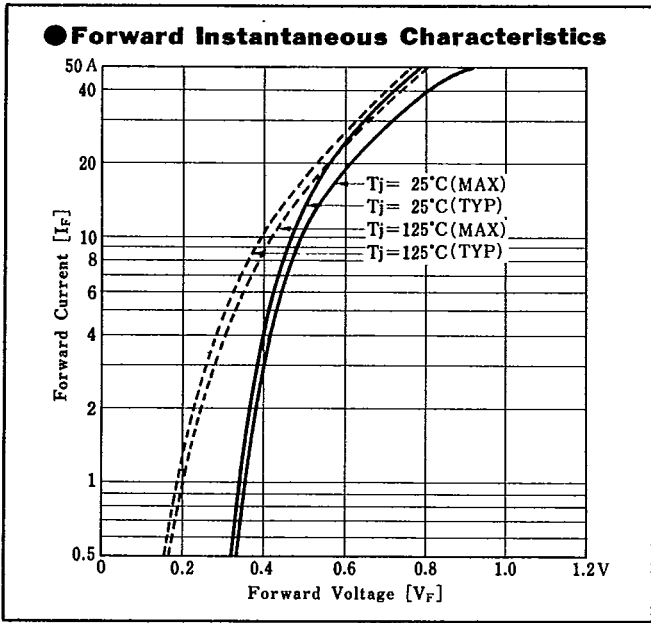
30A

● Outline Dimensions

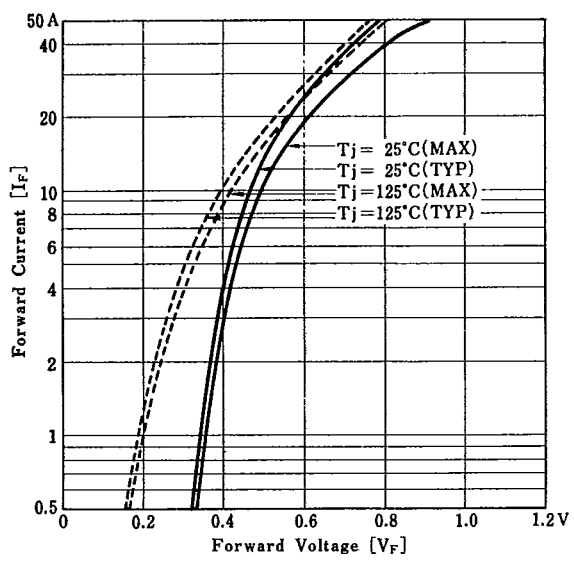


● Ratings

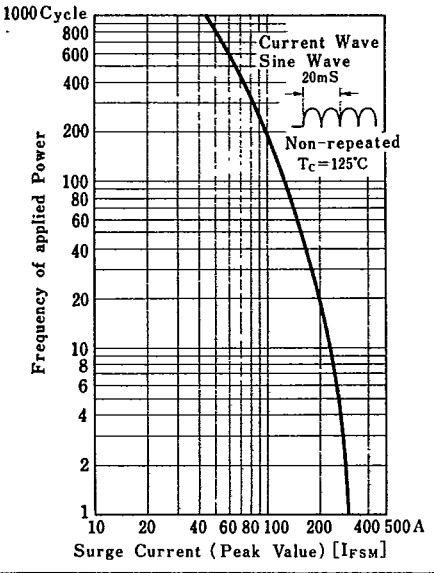
Characteristics	Symbol	Test Condition	Type		Unit
			S30SC3 S30SC3F	S30SC4 S30SC4F	
Absolute MAX. Ratings	Storage Temperature Range	Tstg	- 55 ~ + 125		°C
	Junction Temperature	Tj	+ 125		°C
	Peak Reverse Voltage	V _{RM}	30	40	V
	Repetitive Peak Surge Voltage	V _{RRSM}	Pulse Width 0.5mS Duty Cycle 1/40		V
	Average Rectified Current	I _O	50Hz Resistive load		A
	Surge Current	I _{FSM}	One-cycle Peak Value, 50Hz, T _c =125°C		A
	Stud torque		10		kg-cm
Electrical Characteristics	Forward Voltage Drop	V _F	T _j =25°C, I _F =15A	MAX 0.55	V
			T _j =25°C, I _F =45A	MAX 0.85	
	Reverse Current	I _R	T _j =25°C at V _{RM}	MAX 15	mA
			T _j =125°C at V _{RM}	MAX 100	
	Reverse Recovery Time	t _{rr}	T _j =25°C, I _F =15A -dI _F /dt=10A/μS	MAX 150	nS
Thermal Resistance	θ _{jc}	Junction to Case	MAX 1.1	°C/W	



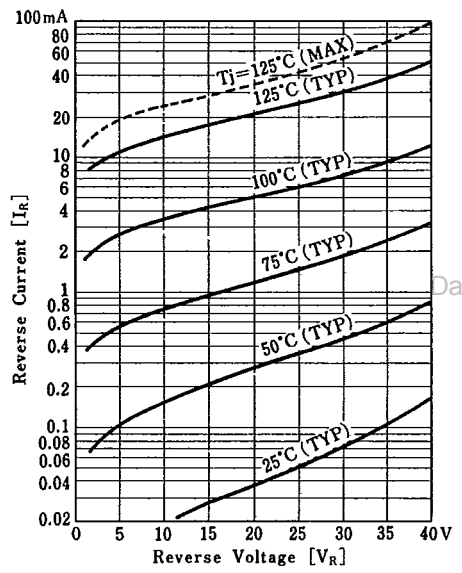
● Forward Instantaneous Characteristics



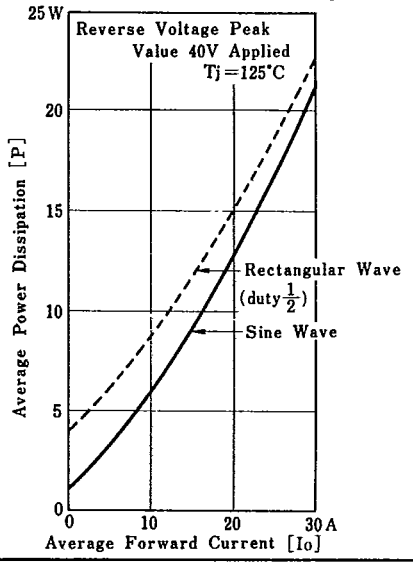
● Overcurrent Capacity



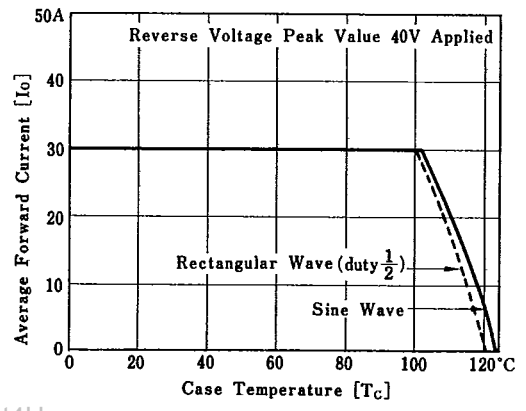
● Reverse Instantaneous Characteristics



● Average Forward Current vs Power Dissipation



● Case Temperature vs Average Forward Current



● Junction Capacity

