

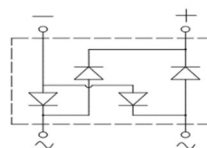
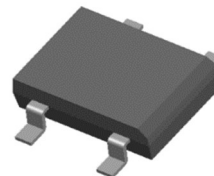
Single-Phase Bridge Rectifier 1000V Current 2A

FEATURES AND BENEFITS

- Glass Passivated chip junction
- High forward surge current capability
- Ideal for printed circuit board
- High temperature soldering guaranteed:
260°C/10 second at 5 lbs.(2.3kg)tension

MECHANICAL DATA

- Epoxy: UL94 V-0 rated flame retardant
- Case: DBS Package
- Terminals: Solderable per MIL-STD750,Method2026
- Weight:



Primary Characteristic	
I_o	2A
V_{RRM}	1000V
I_{FSM}	60A
V_F Typical=2A $T_J=125^\circ\text{C}$	0.86V
T_{jmax}	150°C

Maximum Ratings (Ta=25°C unless otherwise specified)						
Characteristics			Symbol	Value		Unit
Peak Repetitive Reverse Voltage			VRRM	1000		V
Working Peak Reverse Voltage			VRWM	1000		V
DC Blocking Voltage			VDC	1000		V
RMS Reverse Voltage			VRMS	700		V
Maximum Average Forward Current			IF(AV)	2		Amps
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load @Ta=25°C			IFSM	60		Amps
Electrical Characteristics (Ta=25°C unless otherwise specified)						
Characteristics			Symbol	Typ.	Max.	Unit
Forward Voltage Drop ⁽¹⁾	IF=1A	Ta=25°C	VF	0.88		V
	IF=2A	Ta=25°C	VF	0.92	1.0	V
	IF=1A	Ta=125°C	VF	0.80		V
	IF=2A	Ta=125°C	VF	0.86		V
Reverse Current ⁽²⁾	VR=1000V	Ta=25°C	IR	0.05	5	µA
	VR=1000V	Ta=125°C	IR		150	uA

Notes (1): Pulse test: 300 μs pulse width, 1% duty cycle,

Notes (2): Pulse width $\leq 40\text{ms}$

THERMAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted)			
Characteristics	Symbol	Value	Unit
Typical Thermal Resistance, junction to Lead	$R_{\theta JC}$	28	$^\circ\text{C/W}$
Operating Temperature Range (in DC Mode)	T_J	-65 to +150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-65 to +150	$^\circ\text{C}$

Notes (3): FR-4 PCB, 2oz copper. Minimum recommended pad layout

RATINGS AND CHARACTERISTICS CURVES

Fig 1. Typical Forward Characteristics

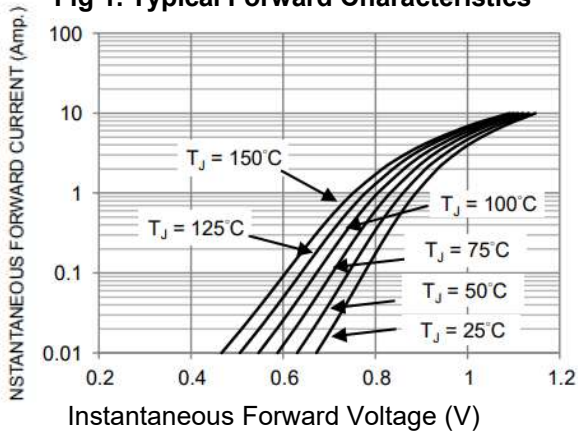


Fig 2. Typical Reverse Characteristics

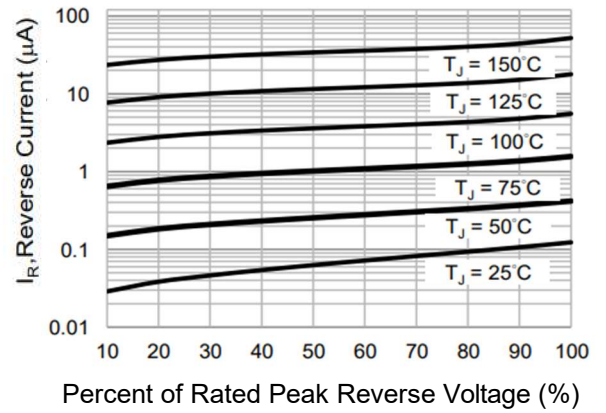


Fig 3. Forward Current Derating Curve

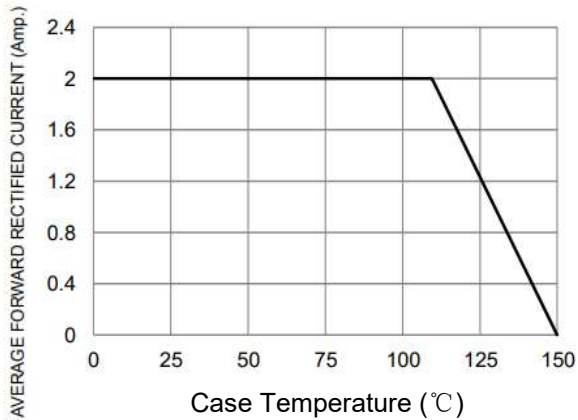
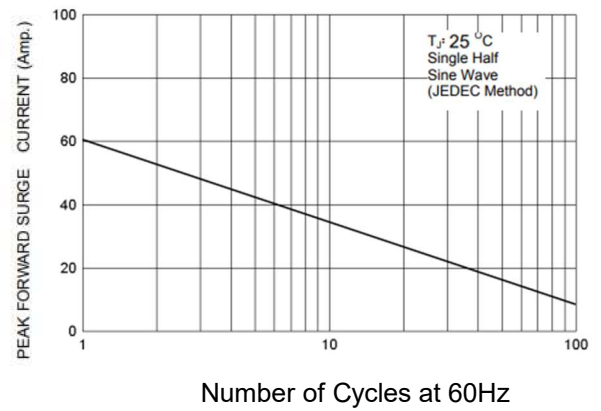
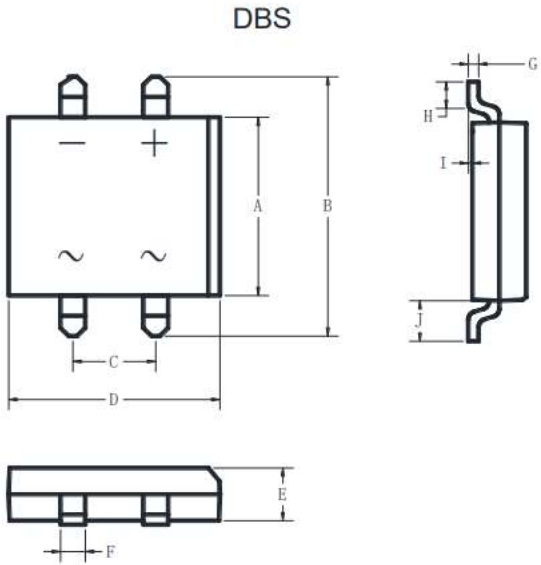


Fig 4. Non-repetitive Forward Surge Current



Package Outline Dimensions (in millimeters)

DBS		
Dim	Min	Max
A	6.20	6.50
B	9.60	10.30
C	5.00	5.20
D	8.13	8.51
E	2.30	3.30
F	1.02	1.2
G	0.22	0.33
H	1.02	1.53
I	0.076	0.33
J	1.80	2.10



Marking Information

Series Name 康虹=



=Part Number Marking Code

=Product Tracking Code