Elektronische Bauelemente

YBS2210

2.2A, 1000V

Schottky Barrier Bridge Rectifiers

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Glass passivated chip
- High surge forward current capability

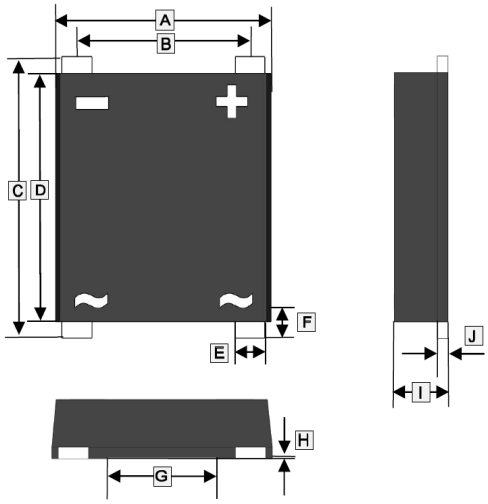
APPLICATIONS

- General purpose 1 phase bridge rectifier applications

PACKAGE INFORMATION

Package	MPQ	Leader Size
YBS	3K	13 inch

YBS



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.5	6.7	F	0.7	1.05
B	5	5.2	G	2.9	3.1
C	7.9	8.6	H	0.04	0.08
D	7.2	7.4	I	1.3	1.5
E	0.95	1.15	J	0.27	0.4

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Parameter		Symbol	Rating	Unit
Maximum Recurrent Peak Reverse Voltage		V_{RRM}	1000	V
Maximum Average Rectified Output Current@ 60Hz sine-wave, R-load, T_C=110°C		I_O	2.2	A
Maximum Non-repetitive Surge Forward Current@ 60Hz sine-wave, 1 cycle, T_J=25°C		I_{FSM}	90	A
Peak Forward Voltage@ pulse measurement, rating of per diode	I_{FM}=1.1A	V_{FM}	1.02	V
	I_{FM}=2.2A		1.1	
Maximum Current Square Time@ 1ms≦t≦8.3ms, T_J=25°C, rating of per diode		I^2t	33	A^2S
Peak Reverse Current@ V_{RM}=V_{RRM}, pulse measurement, rating of per diode	T_J=25°C	I_{RRM}	5	μA
	T_J=125°C		500	
Typical Thermal Resistance from Junction to Ambient		$R_{\theta JA}$	55	°C / W
Typical Thermal Resistance from Junction to Lead		$R_{\theta JL}$	15	°C / W
Typical Thermal Resistance from Junction to Case		$R_{\theta JC}$	10	°C / W
Operating Junction and Storage temperature range		T_J, T_{STG}	150, -55~150	°C

RATINGS AND CHARACTERISTIC CURVES

FIG1:Io-Tc Curve

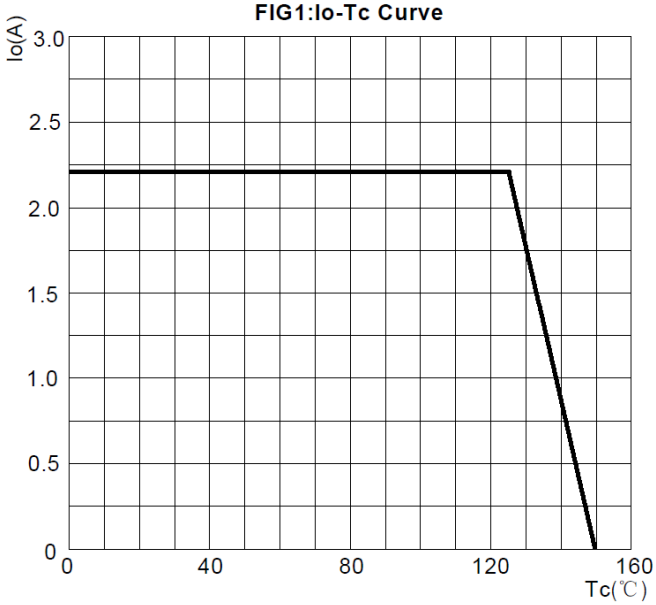


FIG2:Surge Forward Current Capadility

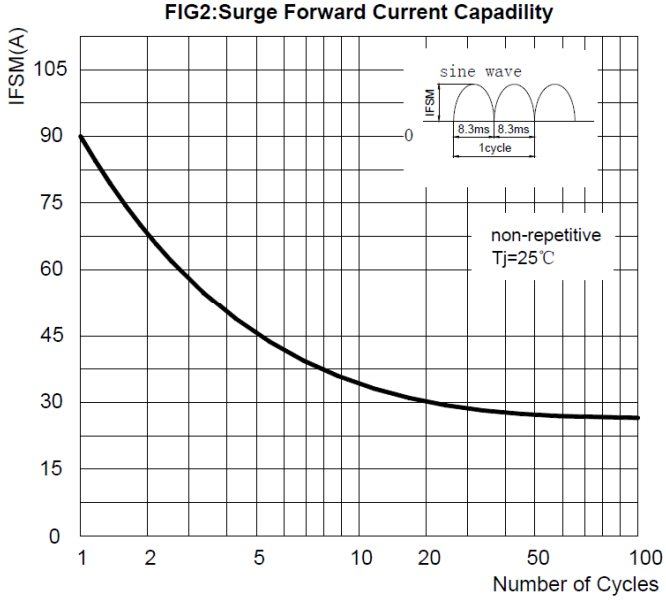


FIG3: Forward Voltage

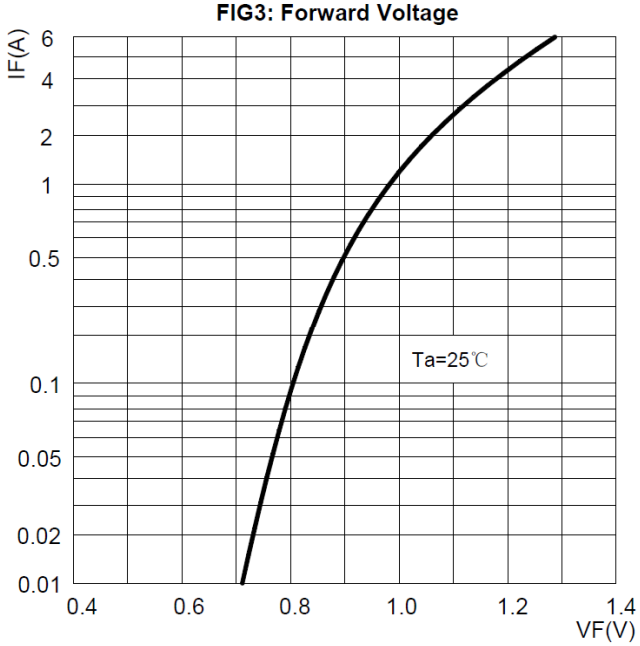


FIG4:Typical Reverse Characteristics