查询XBS104V14供应商

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XBS104V14

ETR1610-001

Schottky Barrier Diode, 1A, 40V Type WWW.DZSC

FEATURES

Forward Voltage

: V_F=0.365V (TYP.)

Forward Current

: I_{F(AV)}=1A

Repetitive Peak Reverse Voltage : V_{RM}=40V

ABSOLUTE MAXIMUM RATINGS

la=2		Ta=25	
PARAMETER	SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	Vrm	40	V
Reverse Voltage (DC)	VR	40	V
Forward Current (Average)	IF(AV)	1	А
Non Continuous	IFSM	20	А
Forward Surge Current ^{*1}			
Junction Temperature	Tj	125	
Storage Temperature Range	Tstg	-55 ~ +150	

*1: Non continuous high amplitude 60Hz half-sine wave.

* When the IC is operated continuously under high load conditions such as high temperature, high current and high voltage, it may have the case that reliability reduces drastically even if under the absolute maximum ratings. Adequate "Derating" should be taken into consideration while designing.

MARKING RULE



: 0 (Product Number) : Assembly Lot Number

PRODUCT NAME

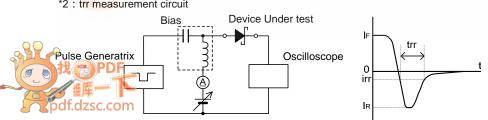
PRODUCT NAME	DEVICE ORIENTATION	
XBS104V14	R : Embossed tape, standard feed	

Please put the device orientation type "R".

ELECTRICAL CHARACTERISTICS

LIMITS PARAMETER SYMBOL **TEST CONDITIONS** UNIT MIN. TYP. MAX. I_F=100mA 0.23 0.315 VF1 -V Forward Voltage VF2 $I_F = 500 \text{mA}$ _ 0.30 0.385 V VF3 I_F=1A 0.365 0.41 V $V_R = 40V$ 0.25 **Reverse Current** IR 2 mΑ Inter-Terminal Capacity Ct V_R=1V , f=1MHz 150 pF _ -Reverse Recovery Time*2 $I_F = I_R = 10 \text{mA}$, irr=1mA 41 trr -ns

2 : trr measurement circuit

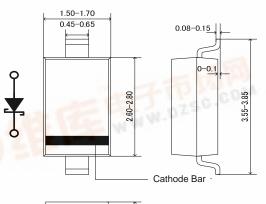


APPLICATIONS

Rectification

Protection against reverse connection of battery

PACKAGING INFORMATION





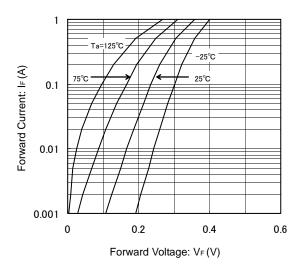
Unit : mm WWW.DZSC.COM

Ta=25

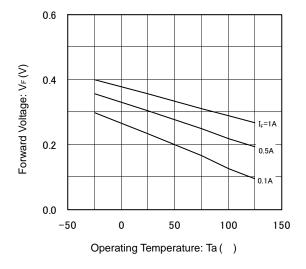
XBS104V14

TYPICAL PERFORMANCE CHARACTERISTICS

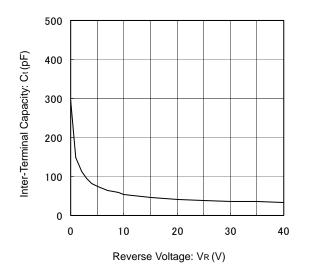
(1) Forward Current vs. Forward Voltage

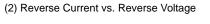


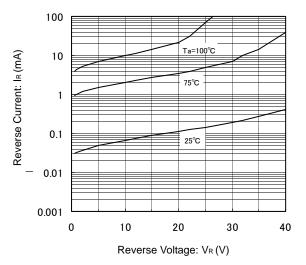
(3) Forward Voltage vs. Operating Temperature



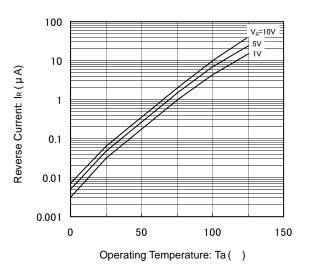
(5) Inter-Terminal Capacity vs. Reverse Voltage



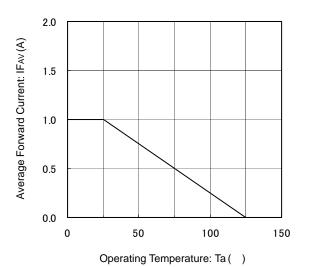


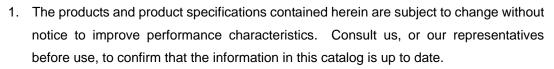


(4) Reverse Current vs. Operating Temperature



(6) Average Forward Current vs. Operating Temperature





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