查询XBS203V17供应商 **XBS203V17** 



JTR1611-001

Schottky Barrier Diode, 2A, 30V Type WWW.DZSC

#### **FEATURES**

**Forward Voltage** Forward Current

: V<sub>F</sub>=0.35V (TYP.)

: I<sub>F(AV)</sub>=2A

Repetitive Peak Reverse Voltage : V<sub>RM</sub>=30V

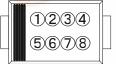
## ABSOLUTE MAXIMUM RATINGS

S UNIT
V
V
А
Δ
A
50

\*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



: 203V17 (Product Number) : Assembly Lot Number

#### **PRODUCT NAME**

PRODUCT NAME	DEVICE ORIENTATION
XBS203V17	R : Embossed tape, standard feed

Please put the device orientation type "R".

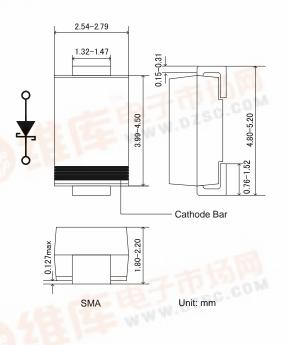
## FLECTRICAL CHARACTERISTICS

### **APPLICATIONS**

Rectification

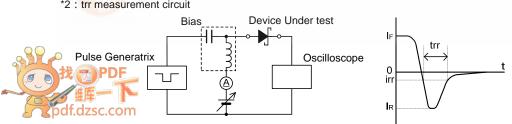
Protection against reverse connection of battery

## PACKAGING INFORMATION



					la=25		
PARAMETER	DADAMETED	SYMBOL	TEST CONDITIONS	2 22	LIMITS	50.0	UNIT
	STIVIDUL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT	
Forward Voltage	VF1	I <sub>F</sub> =0.5A	-	0.28	0.365	V	
	VF2	I <sub>F</sub> =1A	-	0.305	0.375	V	
	VF3	I <sub>F</sub> =2A	-	0.35	0.39	V	
Reverse Current	IR	V <sub>R</sub> =30V	-	0.35	3	mA	
Inter-Terminal Capacity	Ct	V <sub>R</sub> =1V , f=1MHz	-	280	-	pF	
Reverse Recovery Time <sup>*2</sup>	trr	$I_{F}=I_{R}=10\text{mA}$ , irr=1mA,	-	70	-	ns	

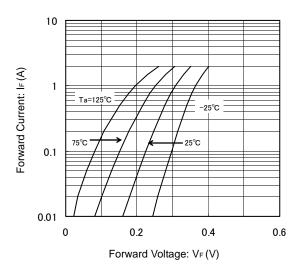
\*2 : trr measurement circuit



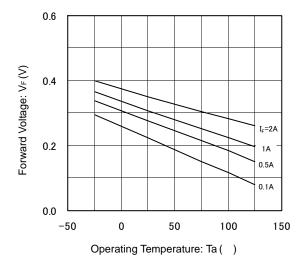
# XBS203V17

#### **TYPICAL PERFORMANCE CHARACTERISTICS**

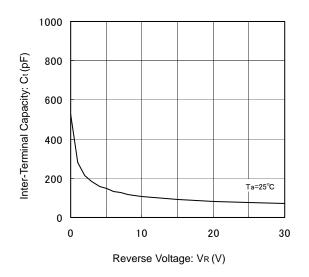
(1) Forward Current vs. Forward Voltage

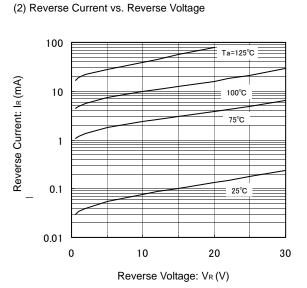


(3) Forward Voltage vs. Operating Temperature

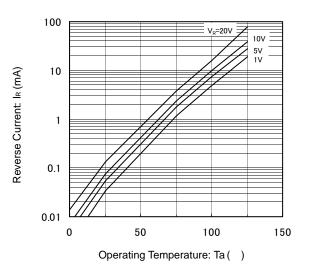


(5) Inter-Terminal Capacity vs. Reverse Voltage

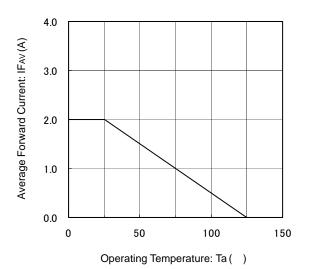


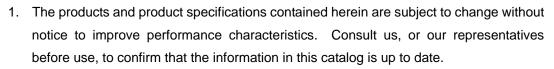


(4) Reverse Current vs. Operating Temperature



(6) Average Forward Current vs. Operating Temperature





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