

XBS104V14R	SOD-123A				

\* The "-G" suffix indicates that the products are Halogen and Antimony free as well as being fully RoHS compliant.

\* The device orientation is fixed in its embossed tape pocket.

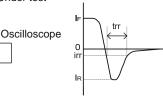
## ELECTRICAL CHARACTERISTICS

PARAMETER SYMBOL	SYMBOL	TEST CONDITIONS				UNIT
		TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT
	VF1	I <sub>F</sub> =100mA		0.23	0.315	V
Forward Voltage VF2 VF3	I <sub>F</sub> =500mA	E WW	0.30	0.385	V	
	VF3	I <sub>F</sub> =1A	-	0.365	0.41	V
Reverse Current	lR 🚽	V <sub>R</sub> =40V	-	0.25	2	mA
Inter-Terminal Capacity	Ct	V <sub>R</sub> =1V , f=1MHz	-	150	-	pF
Reverse Recovery Time*2	trr	I <sub>F</sub> =I <sub>R</sub> =10mA , irr=1mA	-	41	-	ns

\*2 : trr measurement circuit Bias Device Under test

**Pulse Generatrix** 

Device Under tes





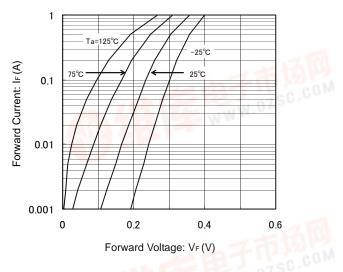
Ta=25°C

## XBS104V14R-G

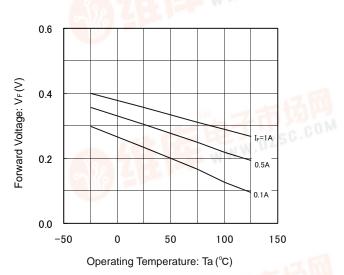
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## ■TYPICAL PERFORMANCE CHARACTERISTICS

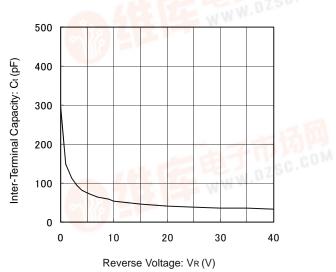
(1) Forward Current vs. Forward Voltage



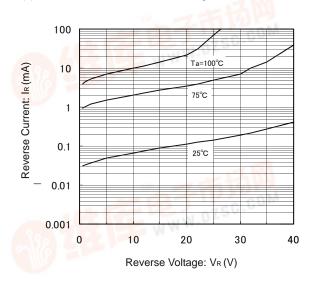
(3) Forward Voltage vs. Operating Temperature



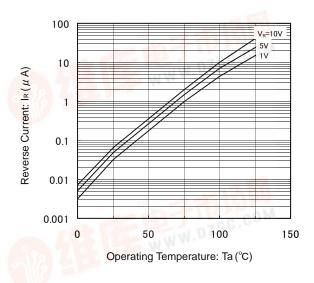
(5) Inter-Terminal Capacity vs. Reverse Voltage



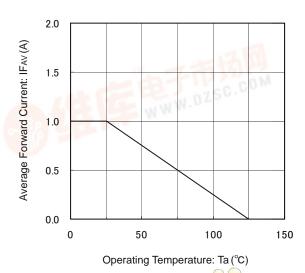
(2) Reverse Current vs. Reverse Voltage



(4) Reverse Current vs. Operating Temperature



(6) Average Forward Current vs. Operating Temperature



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