ETR29014-001

Low Capacitance TVS Diode Array

■FEATURES

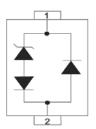
Terminal Capacitance : 3.0pF

ESD Protection : 8kV Contact (IEC61000-4-2) **Environmentally Friendly** : EU RoHS Compliant, Pb Free

■APPLICATIONS

- ●USB2.0
- Ethernet
- DVI

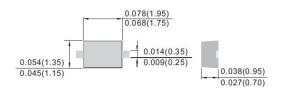
■PIN CONFIGURATION

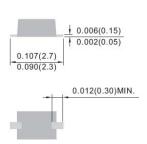


■ PACKAGING INFORMATION

●SOD-323P

Unit: inch (mm)





■PRODUCT NAME

PRODUCT NAME	PACKAGE	ORDER UNIT		
XBP1007-G *	SOD-323P	5,000 / Reel		

^{*} The "-G" suffix denotes Halogen and Antimony free as well as being fully RoHS compliant.

■ABSOLUTE MAXIMUM RATINGS

Ta=25°C

PARAMETER	SYMBOL	RATINGS	UNITS	
Peak Pulse Power (8/20 μ s Waveform)	Ppk	350	W	
Junction Temperature	Tj	-55 to 150	°C	
Storage Temperature	Tstg	-55 to 150	°C	

■ELECTRICAL CHARACTERISTICS

Ta=25°C

PARAMETER	SYMBOL	TEST CONDITIONS	LIMITS			UNITS
			MIN.	TYP.	MAX.	UNITS
Stand-Off Voltage	V_{RWM}		-	-	24	V
Breakdown Voltage	V_{BR}	I _R =1mA	27.27	ı	30.14	V
Leakage Current	I _R	V _R =24V	ı	ı	1	μΑ
Clamping Voltage (8/20 μ s)	V _C	I _{PP} =1A	-	-	43	V
Terminal Capacitance	Ct	V _R =0V, f=1MHz	-	-	3.0	pF

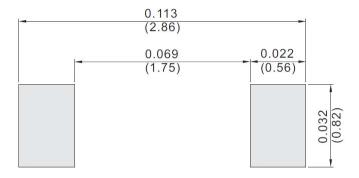
■NOTES ON USE

- Please use this IC within the absolute maximum ratings.
 Even within the ratings, in case of high load use continuously such as high temperature, high voltage, high current and thermal stress may cause reliability degradation of the IC.
- 2. Torex places an importance on improving our products and their reliability.

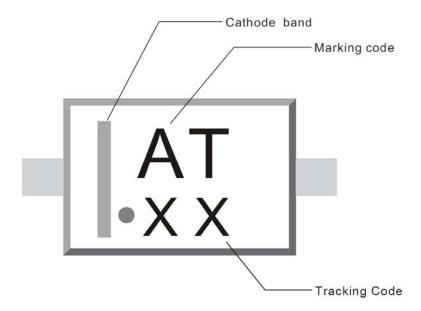
 We request that users incorporate fail-safe designs and post-aging protection treatment when using Torex products in their systems.

■ REFERENCE PATTERN LAYOUT

●SOD-323P

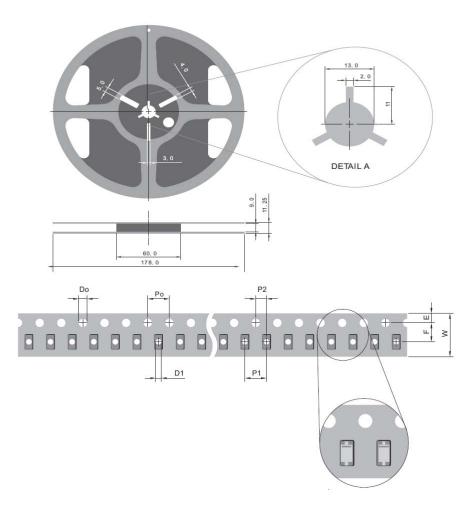


■MARKING



■TAPING SPECIFICATIONS

●SOD-323P



mm		
1.55 ± 0.10		
1.00 ± 0.25		
1.75 ± 0.10		
3.50 ± 0.05		
4.00 ± 0.10		
4.00 ± 0.10		
2.00 ± 0.05		
+ 0.30 - 0.15		

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- 4. The products in this datasheet are not developed, designed, or approved for use with such equipment whose failure of malfunction can be reasonably expected to directly endanger the life of, or cause significant injury to, the user.

 (e.g. Atomic energy: appropriate transport: combustion and associated safety
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