

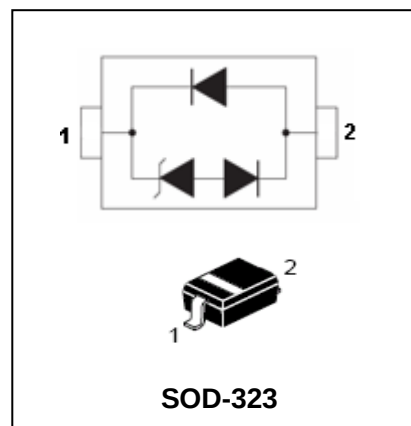
Ultralow Capacitance TVS Array

GBLC03---GBLC24

FEATURES

- 350 Watts Peak Pulse Power per Line ($t_p = 8/20\mu s$)
- Unidirectional & Bidirectional Configurations
- Replacement for MLV (0805)
- Protects One Power or I/O Port
- ESD Protection > 40 kilovolts
- Low Clamping Voltage
- Available in Multiple Voltage Types Ranging from 3V to 24V

HF



APPLICATIONS

- Ethernet - 10/100/1000 Base T
- Cellular Phones
- Handheld - Wireless Systems
- Personal Digital Assistant (PDA)
- USB Interface

ORDERING INFORMATION

Type No.	Marking	Package Code
GBLC03-GBLC24	See Table1	SOD-323

MAXIMUM RATING @ $T_a=25^\circ C$ unless otherwise specified

Parameter	Symbol	Limits	Unit
Peak pulse power dissipation($t_p=8/20\mu s$) -SeeFigure 1	P_{PP}	350	W
Operating temperature	T_j	-55 to+150	$^\circ C$
Storage temperature	T_{STG}	-55 to+150	$^\circ C$

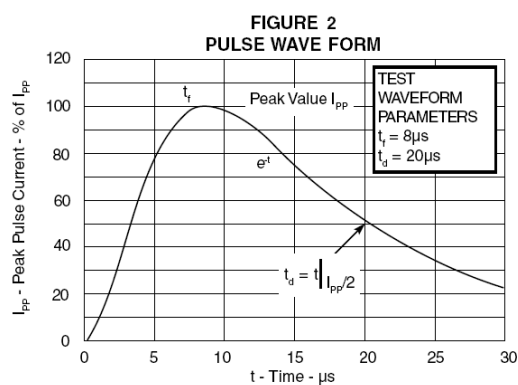
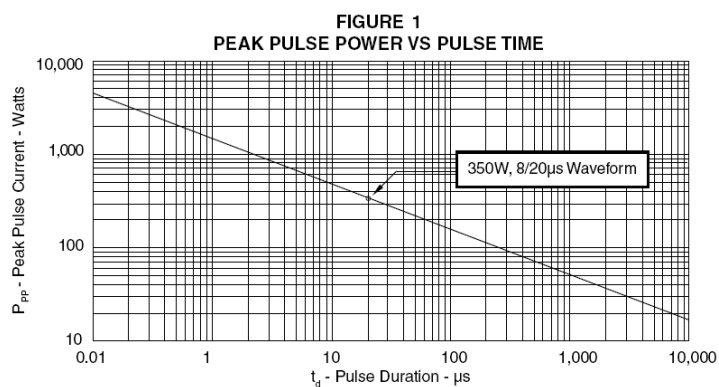
Ultralow Capacitance TVS Array

GBLC03---GBLC24

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

PART NUMBER	Marking	Rated Stand-off Voltage V_{WM} VOLTS	Minimum Breakdown Voltage @ 1mA $V_{(BR)}$ VOLTS	Maximum Clamping Voltage (See Fig. 2) @ $I_P = 1A$ V_C VOLTS	Maximum Clamping Voltage (See Fig. 2) @8/20μs V_C @ I_{PP}	Maximum Leakage Current @ V_{WM} I_D μA	Typical Capacitance @0V, 1MHz C pF
GBLC03	3	3.3	4.0	7.0	19.0V @ 20.0A	5	3
GBLC05	5	5.0	6.0	9.8	18.3V @ 17.0A	5	3
GBLC08	8	8.0	8.5	13.4	18.5V @ 15.0A	2	3
GBLC12	2	12.0	13.3	19.0	28.6V @ 11.0A	1	3
GBLC15	6	15.0	16.7	24.0	31.8V @ 10.0A	1	3
GBLC18	1	18.0	20.0	29.0	45.0V @ 8.0A	1	3
GBLC24	4	24.0	26.7	43.0	56.0V @ 6.0A	1	3

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



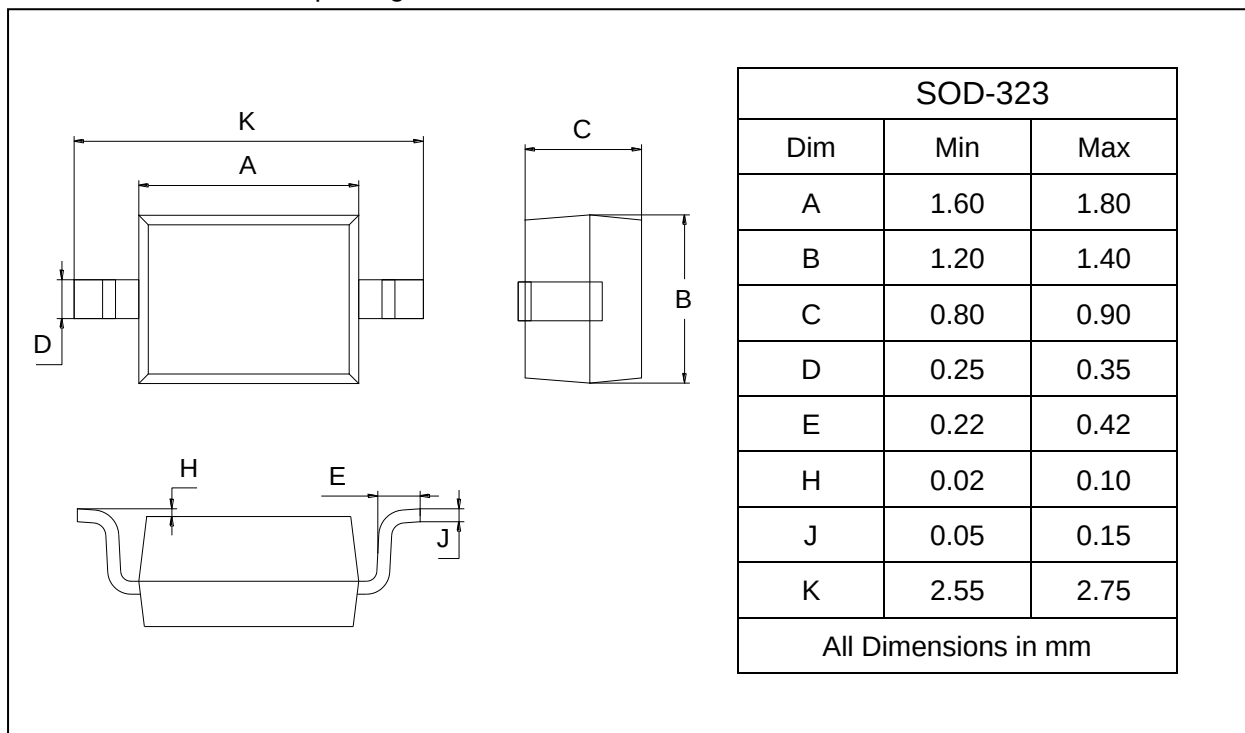
Ultralow Capacitance TVS Array

GBLC03---GBLC24

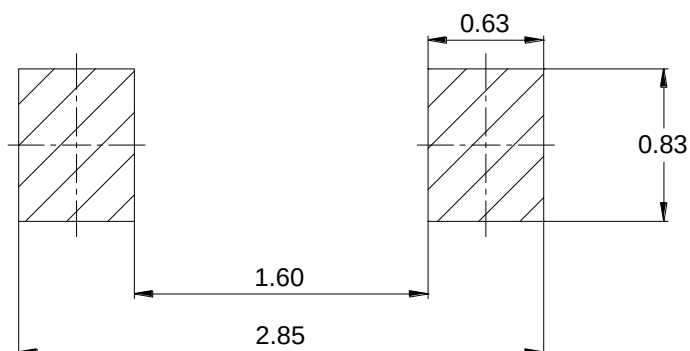
PACKAGE OUTLINE

Plastic surface mounted package

SOD-323



SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
GBLC03-GBLC24	SOD-323	3000pcs / Tape & Reel