



UBZA408B

Preliminary

TVS

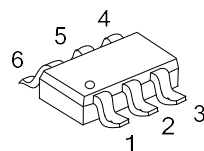
QUADRUPLE BIDIRECTIONAL ESD TRANSIENT VOLTAGE SUPPRESSOR

■ DESCRIPTION

The UTC **UBZA408B** is a 4-bit wide monolithic bidirectional ESD transient voltage suppressor in a six lead SOT-26 package.

■ FEATURES

- * Non-clamping range: -5 V to +5 V
- * Low reverse current: < 100 nA
- * Low diode capacitance: < 85 pF
- * ESD rating >15 kV, according to IEC1000-4-2
- * Green & Pb Free



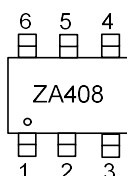
SOT-26

■ ORDERING INFORMATION

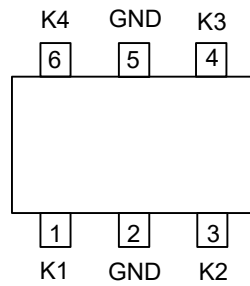
Ordering Number	Package	Packing
UBZA408BG-AG6-R	SOT-26	Tape Reel

UBZA408BG-AG6-R	
(1)Packing Type	(1) R: Tape Reel
(2)Package Type	(2) AG6: SOT-26
(3)Green Package	(3) G: Halogen Free and Lead Free

■ MARKING



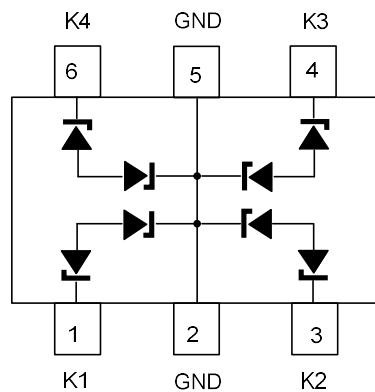
■ PIN CONFIGURATION



■ PIN DESCRIPTION

PIN NO.	PIN NAME	DESCRIPTION
1	K1	Cathode 1
2, 5	GND	Ground
3	K2	Cathode 2
4	K3	Cathode 3
6	K4	Cathode 4

■ BLOCK DIAGRAM



■ ABSOLUTE MAXIMUM RATINGS (T_A = 25°C, unless otherwise specified)

Per diode (pin 2 and / or 5 connected to ground)

PARAMETER	SYMBOL	CONDITIONS	RATINGS	UNIT
Non-Repetitive Peak Reverse Current	I _{ZSM}	t _P = 1ms, Square Pulse	2	A
Non-Repetitive Peak Reverse Power	P _{ZSM}	t _P = 1ms, Square Pulse	20	W
Operating Junction Temperature	T _J		-65 ~ +150	°C
Storage Temperature	T _{STG}		-65 ~ +150	°C

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.

Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS (T_A = 25°C, unless otherwise specified)

Per diode (pin 2 and / or 5 connected to ground)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Working Reverse Voltage	V _{RWM}				5	V
Reverse Voltage	V _R		5.5			V
Non-Repetitive Peak Reverse Voltage	V _{ZSM}	t _P = 1ms, I _{ZSM} =2A			10	V
Reverse Leakage Current	I _R	V _R =V _{RWM}			100	nA
Diode Capacitance	C _d	V _R =0V, f=1MHz		70	85	pF

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