

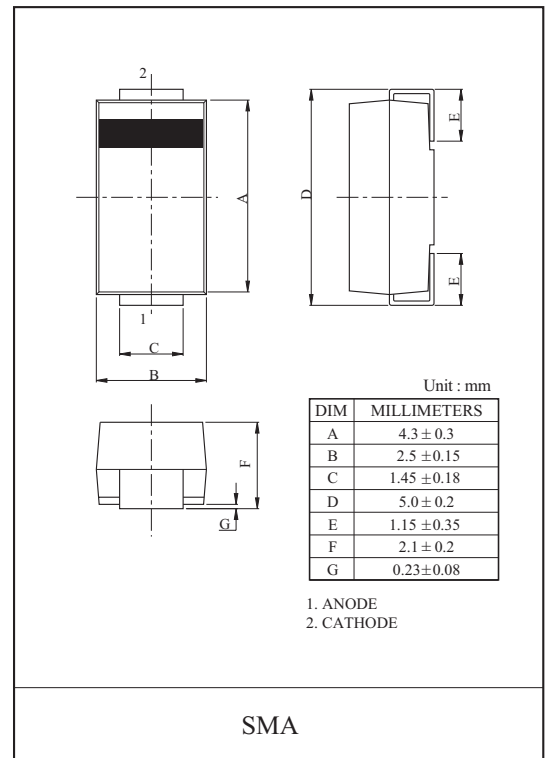
Voltage regulation and voltage limiting.
Voltage surge absorption.

FEATURES

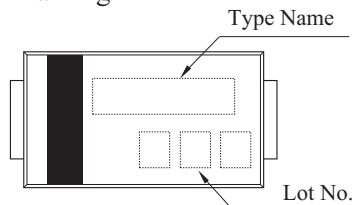
- Small surface mounting type.
- Suffix U : Qualified to AEC-Q101.
ex) SMAZ10V-RTK/U

MAXIMUM RATING (Ta=25)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P_D	1	W
Junction Temperature	T_j	150	
Operating Temperature	T_{opr}	-55 150	
Storage Temperature Range	T_{stg}	-55 150	



Marking



Type No.	Mark	Type No.	Mark	Type No.	Mark
SMAZ3.6V	Z3.6	SMAZ8.2V	Z8.2	SMAZ20V	Z20
SMAZ3.9V	Z3.9	SMAZ9.1V	Z9.1	SMAZ22V	Z22
SMAZ4.3V	Z4.3	SMAZ10V	Z10	SMAZ24V	Z24
SMAZ4.7V	Z4.7	SMAZ11V	Z11	SMAZ27V	Z27
SMAZ5.1V	Z5.1	SMAZ12V	Z12	SMAZ30V	Z30
SMAZ5.6V	Z5.6	SMAZ13V	Z13	SMAZ33V	Z33
SMAZ6.2V	Z6.2	SMAZ15V	Z15	SMAZ36V	Z36
SMAZ6.8V	Z6.8	SMAZ16V	Z16	-	-
SMAZ7.5V	Z7.5	SMAZ18V	Z18	-	-

SMAZ3.6V~SMAZ36V

ELECTRICAL CHARACTERISTICS (Ta=25 °C)

TYPE No.	Zener Voltage Vz (V)			Dynamic Impedance Zz (Ω)		Reverse Current IR (μA)	
	Min.	Max.	Iz (mA)	Max.	Iz(mA)	Max.	VR(V)
SMAZ3.6V	3.6	4.0	40	15	40	20	1.0
SMAZ3.9V	3.9	4.4	40	15	40	20	1.0
SMAZ4.3V	4.3	4.8	40	15	40	20	1.0
SMAZ4.7V	4.7	5.2	40	10	40	20	1.0
SMAZ5.1V	5.1	5.7	40	8	40	20	1.0
SMAZ5.6V	5.6	6.3	40	8	40	20	1.5
SMAZ6.2V	6.2	7.0	40	6	40	20	3.0
SMAZ6.8V	6.8	7.7	40	6	40	20	3.5
SMAZ7.5V	7.5	8.4	40	4	40	20	4.0
SMAZ8.2V	8.2	9.3	40	4	40	20	5.0
SMAZ9.1V	9.1	10.2	40	6	40	20	6.0
SMAZ10V	10.0	11.2	40	6	40	10	7.0
SMAZ11V	11.0	12.3	20	8	20	10	8.0
SMAZ12V	12.0	13.5	20	8	20	10	9.0
SMAZ13V	13.3	15.0	20	10	20	10	10.0
SMAZ15V	14.7	16.5	20	10	20	10	11.0
SMAZ16V	16.2	18.3	20	12	20	10	12.0
SMAZ18V	18.0	20.3	20	12	20	10	13.0
SMAZ20V	20.0	22.4	20	14	20	10	15.0
SMAZ22V	22.0	24.5	10	14	10	10	17.0
SMAZ24V	24.0	27.6	10	16	10	10	19.0
SMAZ27V	27.0	30.8	10	16	10	10	21.0
SMAZ30V	30.0	34.0	10	18	10	10	23.0
SMAZ33V	33.0	37.0	10	18	10	10	25.0
SMAZ36V	36.0	40.0	10	20	10	10	27.0

(Note 1) The Zener voltage is measured 40ms after power is supplied.

(Note 2) The Dynamic Impedance(Zz) are measured by superimposing a minute alternating current on the regulated current(Iz).

SMAZ3.6V~SMAZ36V

