

CONSTANT VOLTAGE REGULATION APPLICATION.
REFERENCE VOLTAGE APPLICATION.

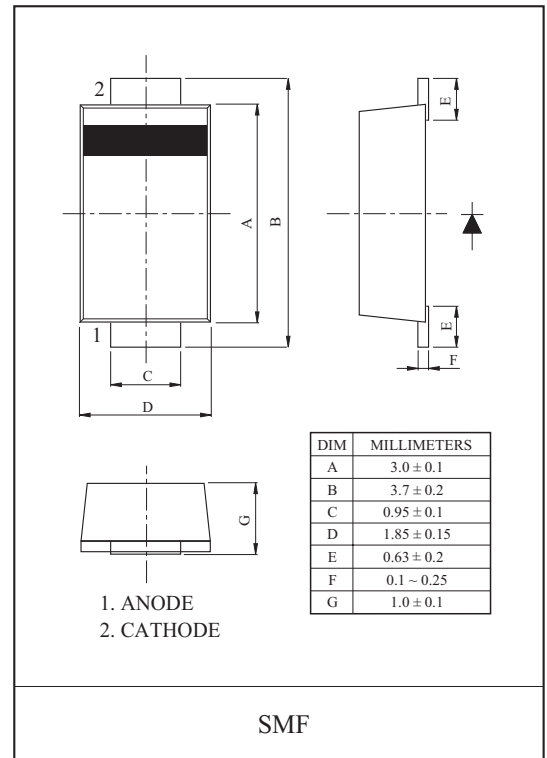
FEATURES

- Nominal Voltage Tolerance About $\pm 6\%$.
- Small Power Mold Type : SMF
- Suffix U : Qualified to AEC-Q101.
ex) SMFZ15V-EL/HU

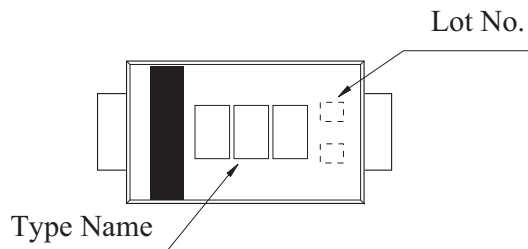
MAXIMUM RATING (Ta=25)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P_D^*	1,000	mW
Junction Temperature	T_j	150	
Operating Temperature	T_{opr}	-55 150	
Storage Temperature Range	T_{stg}	-55 150	

* : Mounted on a glass epoxy circuit board of 5 × 5cm, pad dimension of 2.5 × 2.5cm



Marking



Type No.	Marking	Type No.	Marking	Type No.	Marking	Type No.	Marking
SMFZ4.3V	ZZJ	SMFZ7.5V	ZZQ	SMFZ13V	Z13	SMFZ24V	Z24
SMFZ4.7V	ZZK	SMFZ8.2V	ZZR	SMFZ15V	Z15	SMFZ27V	Z27
SMFZ5.1V	ZZL	SMFZ9.1V	ZZS	SMFZ16V	Z16	SMFZ30V	Z30
SMFZ5.6V	ZZM	SMFZ10V	Z10	SMFZ18V	Z18	SMFZ33V	Z33
SMFZ6.2V	ZZN	SMFZ11V	Z11	SMFZ20V	Z20	SMFZ36V	Z36
SMFZ6.8V	ZZP	SMFZ12V	Z12	SMFZ22V	Z22		

SMFZ4.3V-36V

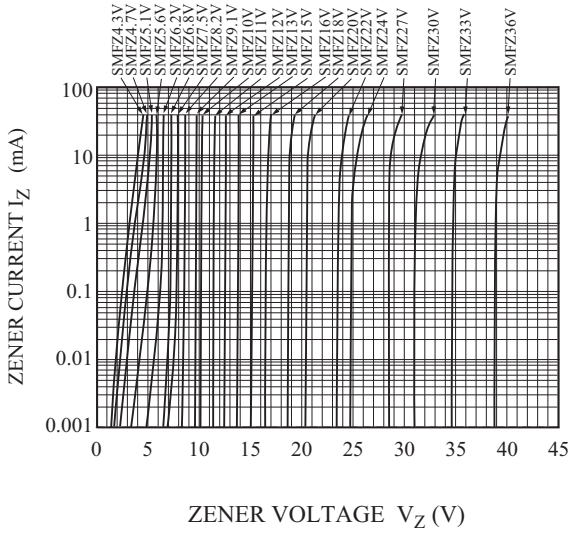
ELECTRICAL CHARACTERISTICS (Ta=25)

TYPE No.	Zener Voltage Vz (V)				Reverse Current I _R (μA)	
	Min.	Typ.	Max.	I _Z (mA)	Max.	V _R (V)
SMFZ4.3V	4.3	4.572	4.8	40	20	1.0
SMFZ4.7V	4.7	4.924	5.2	40	20	1.0
SMFZ5.1V	5.1	5.368	5.7	40	20	1.0
SMFZ5.6V	5.6	5.856	6.3	40	20	1.5
SMFZ6.2V	6.2	6.509	7.0	40	20	3.0
SMFZ6.8V	6.8	7.280	7.7	40	20	3.5
SMFZ7.5V	7.5	7.889	8.4	40	20	4.0
SMFZ8.2V	8.2	8.655	9.3	40	20	5.0
SMFZ9.1V	9.1	9.747	10.2	40	20	6.0
SMFZ10V	10.0	10.310	11.2	40	10	7.0
SMFZ11V	11.0	11.510	12.3	20	10	8.0
SMFZ12V	12.0	12.500	13.5	20	10	9.0
SMFZ13V	13.3	13.820	15.0	20	10	10.0
SMFZ15V	14.7	15.350	16.5	20	10	11.0
SMFZ16V	16.2	16.860	18.3	20	10	12.0
SMFZ18V	18.0	19.000	20.3	20	10	13.0
SMFZ20V	20.0	20.820	22.4	20	10	15.0
SMFZ22V	22.0	23.850	24.5	10	10	17.0
SMFZ24V	24.0	25.310	27.6	10	10	19.0
SMFZ27V	27.0	28.700	30.8	10	10	21.0
SMFZ30V	30.0	31.570	34.0	10	10	23.0
SMFZ33V	33.0	34.9	37.0	10	10	25.0
SMFZ36V	36.0	39.240	40.0	10	10	27.0

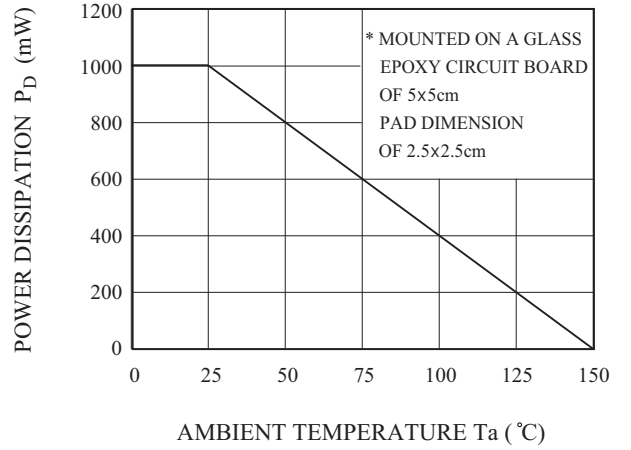
The Zener voltage (V_Z) is measured 40ms after power is supplied.

SMFZ3.6V~36V

$I_Z - V_Z$



$P_D - T_a$



$\gamma_Z - V_Z$

