

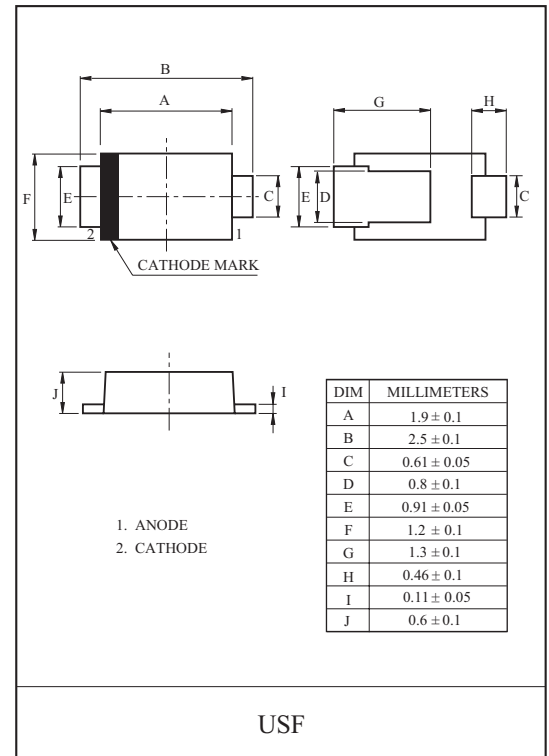
CONSTANT VOLTAGE REGULATION APPLICATION.  
REFERENCE VOLTAGE APPLICATION.

### FEATURES

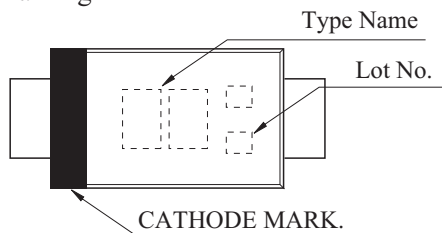
- Nominal Voltage Tolerance About  $\pm 10\%$ .
- Small Power Mold Type : USF
- Suffix U : Qualified to AEC-Q101.  
ex) USFZ10V-RTK/HU

### MAXIMUM RATING (Ta=25 )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	$P_D$	500	mW
Junction Temperature	$T_j$	150	
Operating Temperature	$T_{opr}$	-55 150	
Storage Temperature Range	$T_{stg}$	-55 150	



### Marking



Type No.	Marking	Type No.	Marking	Type No.	Marking	Type No.	Marking
USFZ4.3V	43	USFZ7.5V	75	USFZ13V	13	USFZ24V	24
USFZ4.7V	47	USFZ8.2V	82	USFZ15V	15	USFZ27V	27
USFZ5.1V	51	USFZ9.1V	91	USFZ16V	16	USFZ30V	30
USFZ5.6V	56	USFZ10V	10	USFZ18V	18	USFZ33V	33
USFZ6.2V	62	USFZ11V	11	USFZ20V	20	USFZ36V	36
USFZ6.8V	68	USFZ12V	12	USFZ22V	22		

# USFZ4.3V~36V

## ELECTRICAL CHARACTERISTICS (Ta=25 )

TYPE No.	Zener Voltage Vz (V)				Reverse Current I <sub>R</sub> (μA)	
	Min.	Typ.	Max.	I <sub>Z</sub> (mA)	Max.	V <sub>R</sub> (V)
USFZ4.3V	3.9	4.35	4.8	10	10	1.0
USFZ4.7V	4.3	4.75	5.2	10	10	1.0
USFZ5.1V	4.6	5.10	5.6	10	10	1.5
USFZ5.6V	5.1	5.6	6.1	10	10	2.5
USFZ6.2V	5.6	6.2	6.8	10	10	3.0
USFZ6.8V	6.2	6.8	7.4	10	10	3.5
USFZ7.5V	6.8	7.5	8.3	10	10	4.5
USFZ8.2V	7.4	8.2	9.0	10	10	4.9
USFZ9.1V	8.2	9.1	10.0	10	10	5.5
USFZ10V	9.0	10	11	10	10	6.0
USFZ11V	9.9	11	12.1	10	10	7.0
USFZ12V	10.8	12	13.2	10	10	8.0
USFZ13V	11.7	13	14.3	10	10	9.0
USFZ15V	13.5	15	16.5	10	10	10.0
USFZ16V	14.4	16	17.6	10	10	11.0
USFZ18V	16.2	18	19.8	10	10	12.0
USFZ20V	18.0	20	22.0	10	10	14.0
USFZ22V	19.8	22	24.2	10	10	15.0
USFZ24V	21.6	24	26.4	10	10	16.0
USFZ27V	24.3	27	29.7	10	10	19.0
USFZ30V	27.0	30	33.0	10	10	21.0
USFZ33V	29.7	33	36.3	10	10	23.0
USFZ36V	32.4	36	39.6	10	10	25.0

The Zener voltage (V<sub>Z</sub>) is measured 40ms after power is supplied.