

VOLTAGE RANGE: 2.0 - 120V

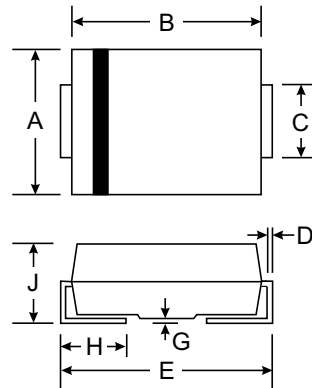
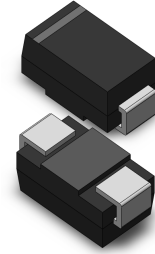
POWER: 1.0Watts

Features

- Complete voltage range 2.0 to 120 volts
- High peak reverse power dissipation
- High reliability
- Low leakage current
- Standard zener voltage tolerance is $\pm 5\%$.

Mechanical Data

- Case : SMA (DO-214AC) Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Lead formed for Surface mount
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight: 0.064 grams (approx.)



SMA(DO-214AC)		
Dim	Min	Max
A	2.29	2.92
B	4.00	4.60
C	1.27	1.63
D	0.15	0.31
E	4.80	5.59
G	0.10	0.20
H	0.76	1.52
J	2.01	2.62
All Dimensions in mm		

Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise specified

Rating	Symbol	Value	Unit
Power Dissipation , See Fig. 1	P_D	1.0	W
Forward Current	I_F	200	mA
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	- 55 to + 150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (Ta = 25 °C)

Type Number	Zener Voltage $V_Z (V)^{(1)}$			Dynamic Impedance $Z_Z (\Omega)^{(2)}$		Reverse Current $I_R (\mu A)$	
	Min.	Max.	$I_Z (mA)$	Max.	$I_Z (mA)$	Max.	$V_R (V)$
HZF2.0BP	1.9	2.2	5	140	5	200	0.5
HZF2.2BP	2.1	2.4	5	140	5	200	0.7
HZF2.4BP	2.3	2.6	5	140	5	200	1.0
HZF2.7BP	2.5	2.9	5	140	5	150	1.0
HZF3.0BP	2.8	3.2	5	140	5	100	1.0
HZF3.3BP	3.1	3.5	5	140	5	80	1.0
HZF3.6BP	3.4	3.8	5	140	5	60	1.0
HZF3.9BP	3.7	4.1	5	140	5	40	1.0
HZF4.3BP	4.0	4.5	5	140	5	20	1.0
HZF4.7BP	4.4	4.9	5	100	5	20	1.0
HZF5.1BP	4.8	5.4	5	100	5	20	1.0
HZF5.6BP	5.3	6.0	5	70	5	20	1.5
HZF6.2BP	5.8	6.6	5	40	5	20	3.0
HZF6.8BP	6.4	7.2	5	25	5	20	3.5
HZF7.5BP	7.0	7.9	5	25	5	20	4.0
HZF8.2BP	7.7	8.7	5	25	5	20	5.0
HZF9.1BP	8.5	9.6	5	25	5	20	6.0
HZF10BP	9.4	10.6	5	20	5	10	7.0
HZF11BP	10.4	11.6	5	20	5	10	8.0
HZF12BP	11.4	12.6	5	25	5	10	9.0
HZF13BP	12.4	14.1	5	30	5	10	10
HZF15BP	13.8	15.6	5	30	5	10	11
HZF16BP	15.3	17.1	5	40	5	10	12
HZF18BP	16.8	19.1	5	45	5	10	13
HZF20BP	18.8	21.2	5	55	5	10	15
HZF22BP	20.8	23.3	2	55	2	10	17
HZF24BP	22.8	25.6	2	70	2	10	19
HZF27BP	25.1	28.9	2	80	2	10	21
HZF30BP	28.0	32.0	2	80	2	10	23
HZF33BP	31.0	35.0	2	80	2	10	25
HZF36BP	34.0	38.0	2	90	2	10	27
HZF39BP	37.0	41.0	2	130	2	10	30
HZF43BP	40.0	45.0	2	150	2	5	33
HZF47BP	44.0	49.0	2	170	2	5	36
HZF51BP	48.0	54.0	2	220	2	5	39
HZF56BP	53.0	60.0	2	220	2	5	43
HZF62BP	58.0	66.0	2	220	2	5	47
HZF68BP	64.0	72.0	2	230	2	5	52
HZF75BP	70.0	79.0	2	250	2	5	57
HZF82BP	77.0	87.0	2	270	2	5	63
HZF91BP	85.0	96.0	2	340	2	5	69
HZF100BP	94.0	106.0	2	430	2	5	76
HZF110BP	104.0	116.0	2	530	2	5	84
HZF120BP	114.0	126.0	2	620	2	5	91

Notes:

- (1) Test with pulse (40 ms).
- (2) Z_Z is measured at I_Z given an very small A.C. Current Signal.