

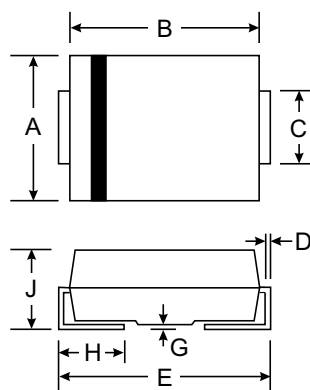
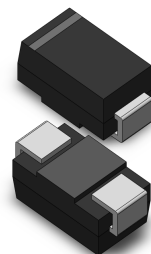
VOLTAGE RANGE: 110 - 330V
POWER: 1.0Watt s

Features

- Complete voltage range 110 to 330 Volts
- High peak reverse power dissipation
- High reliability
- Low leakage current

Mechanical Data

- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- 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

Rating at 25 °C ambient temperature unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation at T _L = 50 °C (Note1)	P _D	1.0	Watt
Maximum Forward Voltage at I _F = 200 mA	V _F	1.2	Volts
Maximum Thermal Resistance Junction to Ambient Air (Note2)	R _{θJA}	170	K / W
Junction Temperature Range	T _J	- 55 to + 175	°C
Storage Temperature Range	T _s	- 55 to + 175	°C

Note : (1) T_L = Lead temperature at 3/8 " (9.5mm) from body

(2) Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.

TYPE	ZENER BREAKDOWN VOLTAGE		DYNAMIC IMPEDANCES @ 25°C TA			MAXIMUM REVERSE CURRENT @ MEASUREMENT VOLTAGE AND 25°C TA		MAXIMUM FORWARD VOLTAGE @25°C TA @IF=1.0A
	V _Z	I _{ZT}	Z _{ZT}	I _{ZK}	Z	V _R	I _R	V _F
	V	mA	ohms	mA	ohms	V	μA	V
ZS110	110	5	750	0.25	5000	80	0.5	1.0
ZS115	115	5	750	0.25	5000	85	0.5	1.0
ZS120	120	5	850	0.25	5000	90	0.5	1.0
ZS130	130	5	1000	0.25	5000	95	0.5	1.0
ZS140	140	5	1200	0.25	5000	105	0.5	1.0
ZS150	150	5	1300	0.25	5000	110	0.5	1.0
ZS160	160	5	1500	0.25	5000	120	0.5	1.0
ZS170	170	5	2200	0.25	5000	130	0.5	1.0
ZS180	180	5	2200	0.25	5000	140	0.5	1.0
ZS190	190	5	2500	0.25	5000	150	0.5	1.0
ZS200	200	5	2500	0.25	8000	165	0.5	1.0
ZS210	210	5	5000	0.25	9000	165	0.5	1.0
ZS220	220	5	5000	0.25	9000	170	0.5	1.0
ZS230	230	5	5000	0.25	9000	175	0.5	1.0
ZS240	240	5	5000	0.25	9000	180	0.5	1.0
ZS250	250	5	5000	0.25	9000	190	0.5	1.0
ZS260	260	5	5000	0.25	9000	195	0.5	1.0
ZS270	270	5	5000	0.25	9000	200	0.5	1.0
ZS280	280	5	5000	0.25	9000	210	0.5	1.0
ZS290	290	5	5000	0.25	9000	215	0.5	1.0
ZS300	300	5	5000	0.25	9000	220	0.5	1.0
ZS310	310	5	5000	0.25	9500	225	0.5	1.0
ZS320	320	5	5000	0.25	9500	233	0.5	1.0
ZS330	330	5	5000	0.25	9500	240	0.5	1.0