

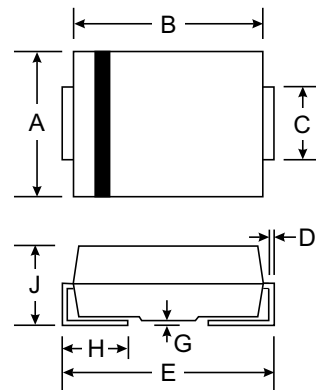
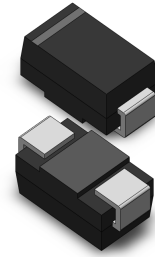
VOLTAGE RANGE: 400V
CURRENT: 1.0 A

Features

- Miniature Size, Surface Mount Device
- High Surge Capability
- Low Forward Voltage Drop
- Low Reverse Leakage Current
- Packaged in 12mm Tape and Reel

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 @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	EC10DA40	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400	V
Average Rectified Forward Current 50Hz Half Sine Wave Resistive Load T _a =29°C * 2	I _O	1.0	A
R.M.S. Forward Current	I _{F(RMS)}	1.57	A
Surge Forward Current 50Hz Half Sine Wave, 1 cycle, Non-repetitive	I _{FSM}	25	A
Operating Junction Temperature Range	T _{jw}	-40 to +150	°C
Storage Temperature Range	T _{stg}	-40 to +150	°C

Characteristic	Symbol	Min	Typ	Max	Unit
Peak Reverse Current T _j = 25°C, V _{RM} = V _{RRM}	I _{RM}	-	-	10	μA
Peak Forward Voltage T _j = 25°C, I _{FM} = 1.0A	V _{FM}	-	-	1.05	V
Electrostatic Discharge T _j = 25°C, C = 150 pF, R = 150 ohm * 3	-	-	25	-	V
Thermal Resistance Junction to Ambient * 1	R _{th(j-a)}	-	-	157	°C /W
		-	-	108	