



Product data sheet

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SMA

FEATURES

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Low forward voltage drop

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 0.063 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	ES2A	ES2B	ES2C	ES2D	ES2E	ES2G	ES2J	UNITS
Maximum Recurrent Peak Reverse Voltage		100	150	200	300	400	600	V
Maximum RMS Voltage		70	105	140	210	280	420	V
Maximum DC Blocking Voltage		100	150	200	300	400	600	V
Maximum Average Forward Rectified Current								
.375"(9.5mm) Lead Length at Ta=55°C		2.0					А	
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)				60				A
Maximum Instantaneous Forward Voltage at 2.0A		0.95 1.25			1.70	V		
Maximum DC Reverse Current Ta=25°C				5.0				μA
at Rated DC Blocking Voltage Ta=100°C		500					μA	
Maximum Reverse Recovery Time (Note 1)		35					nS	
Typical Junction Capacitance (Note 2)		60					pF	
Operating and Storage Temperature Range TJ, Tstg		-65-+150				°C		

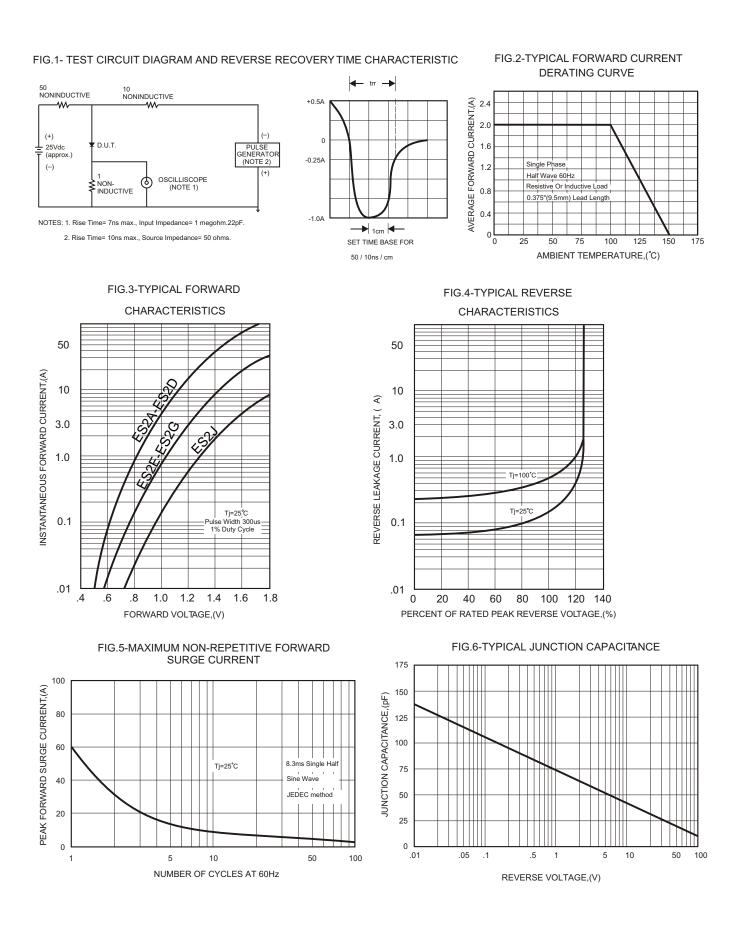
NOTES:

1. Reverse Recovery Time test condition: IF=0.5A, IR=1.0A, IRR=0.25A

2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.





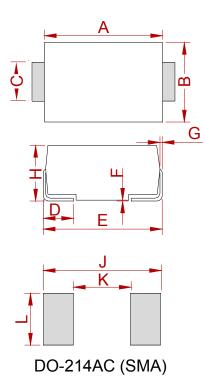


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ES2A THRU ES2J HF Semiconductor Compiance

PACKAGE MECHANICAL DATA



	Dimensions					
Ref.	Millimeters		Inc	hes		
	Min.	Max.	Min.	Max.		
А	4.25	4.65	0.167	0.183		
В	2.50	2.90	0.098	0.114		
С	1.35	1.65	0.053	0.065		
D	0.76	1.52	0.030	0.060		
Е	4.93	5.28	0.194	0.208		
F	0.051	0.203	0.002	0.008		
G	0.15	0.31	0.006	0.012		
Н	1.98	2.41	0.078	0.095		
J	6.50		0.256			
К		2.30		0.090		
L	1.70		0.067			

REEL SPECIFICATION

P/N	PKG	QTY
ES2A THRU ES2J	SMA	2000



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