MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data sheet







SMA

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
 Super fast switching for high efficiency
- ◆ Low reverse leakage
- Built-in strain relief,ideal for automated placement
- High forward surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds at terminals

MECHANICAL DATA

- ◆ Case: JEDEC DO-214AC molded plastic body
- **Terminals**: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
 Mounting Position: Any
 Weight: 0.003 ounce, 0.093 grams

 0.004 ounce, 0.111 grams SMA(H)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

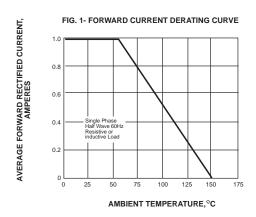
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

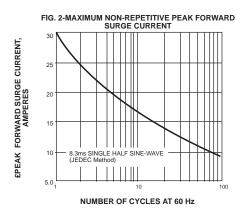
SYMBOLS	ES1A	ES1B	ES1C	ES1D	ES1E	ES1G	ES1J	UNITS
Vrrm	50	100	150	200	300	400	600	VOLTS
VRMS	35	70	105	140	210	280	420	VOLTS
VDC	50	100	150	200	300	400	600	VOLTS
Icaso	1.0					Amp		
I(AV)		1.0						
Ігѕм				30.0				Amps
VF		0	.95			1.25		Volts
				5.0				uA
IR	50.0					ид		
trr				35				ns
Сл				15.0				pF
RqJA				60.0				°C/W
ТЈ,Тѕтс	-65 to +150			°C				
	VRRM VRMS VDC I(AV) IFSM VF IR CJ RqJA	VRRM 50 VRMS 35 VDC 50 I(AV) IFSM VF IR trr CJ RqJA	VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM VF 0 IR trr CJ RqJA	VRRM 50 100 150 VRMS 35 70 105 VDC 50 100 150 I(AV) IFSM VF 0.95 IR trr CJ RqJA	VRRM 50 100 150 200 VRMS 35 70 105 140 VDC 50 100 150 200 I(AV) 1.0 IFSM 30.0 VF 0.95 IR 50.0 trr 35 CJ 15.0 RqJA 60.0	VRRM 50 100 150 200 300 VRMS 35 70 105 140 210 VDC 50 100 150 200 300 I(AV) 1.0 IFSM 30.0 VF 0.95 5.0 IR 50.0 50.0 50.0 Trr 35 CJ 15.0 RqJA 60.0	VRRM 50 100 150 200 300 400 VRMS 35 70 105 140 210 280 VDC 50 100 150 200 300 400 I(AV) 1.0 IFSM 30.0 VF 0.95 1.25 IR 50.0 50.0 50.0 trr 35 CJ 15.0 RqJA 60.0	VRRM 50 100 150 200 300 400 600 VRMS 35 70 105 140 210 280 420 VDC 50 100 150 200 300 400 600 I(AV) 1.0 1.0 1.0 1.25

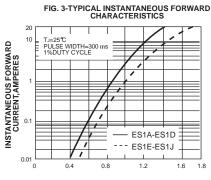
Note:1.Reverse recovery condition IF=0.5A,IR=1.0A,Irr=0.25A 2.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

- 3.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

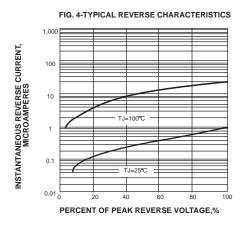


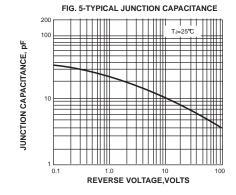


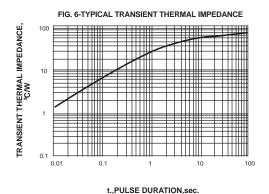






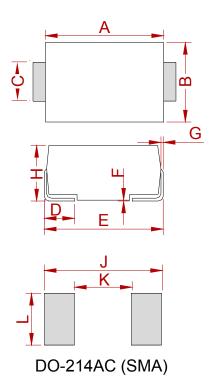








PACKAGE MECHANICAL DATA



	Dimensions					
Ref.	Millimeters		Inches			
	Min.	Max.	Min.	Max.		
Α	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		
E	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			
K		2.30		0.090		
L	1.70		0.067			

REEL SPECIFICATION

P/N	PKG	QTY
ES1A THRU ES1J	SMA	2000



Semiconductor Compiance

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