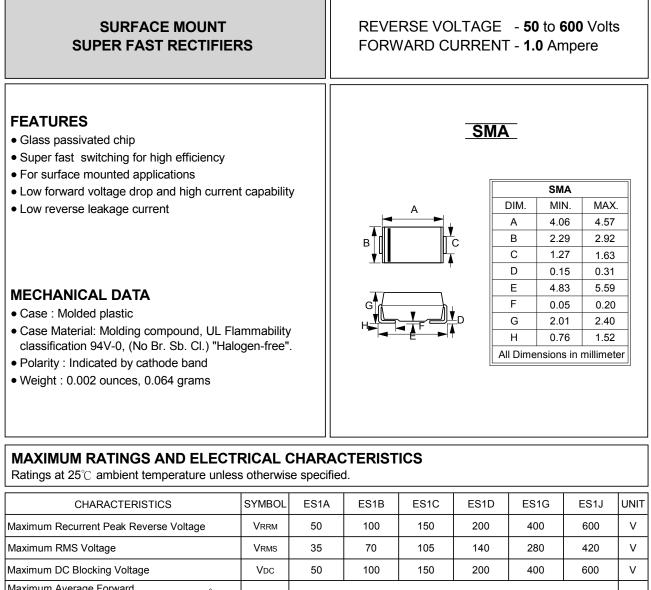
LITE ON SEMICONDUCTOR

ES1A thru ES1J

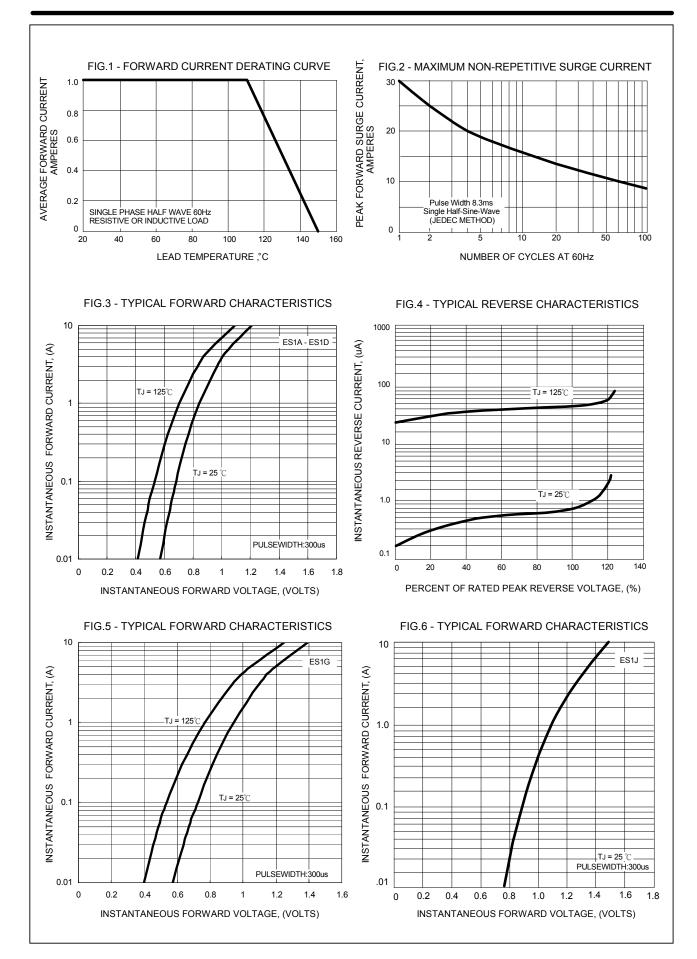


CHARACTERISTICS	SYMBOL	ES1A	ES1B	ES1C	ES1D	ES1G	ES1J	UNIT
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	150	200	400	600	V
Maximum RMS Voltage	Vrms	35	70	105	140	280	420	V
Maximum DC Blocking Voltage	VDC	50	100	150	200	400	600	V
Maximum Average Forward @TL =110°C Rectified Current	l(AV)	1.0						A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC METHOD)	IFSM	30						A
Maximum forward Voltage at 1.0A DC	VF	0.92 1.25 1.30					1.30	V
Maximum DC Reverse Current @TJ =25 ັC at Rated DC Blocking Voltage @TJ=125 ັC	IR	5.0 200						uA
Maximum Reverse Recovery Time (Note 1)	Trr	25 35					ns	
Typical Reverse Recovery Time	Trr	20 30					ns	
Typical Junction Capacitance (Note 2)	CJ	20						pF
Typical Thermal Resistance (Note 3)	Reja Rejl Rejc	90 30 25						°C/W
Operating Temperature Range	TJ	-55 to + 150						Ĉ
Storage Temperature Range	Tstg	-55 to + 150						Ĉ
NOTES : 1.Reverse Recovery Test Conditions :IF=0.5A,IR=1.0A,IRR=0.25A.						REV. 9, Aug-2014, KSGA01		

2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

3. Thermal Resistance junction to Ambient, Lead and Case.

RATING AND CHARACTERISTIC CURVES ES1A thru ES1J



LITEON



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