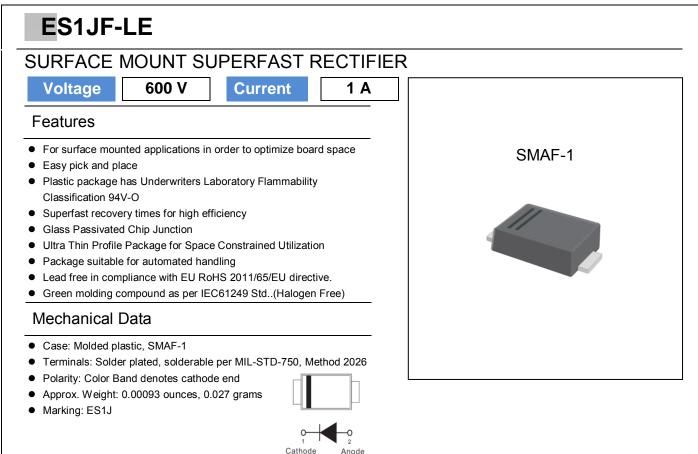


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Part Number: ES1JF-LE



Maximum Ratings ($T_A=25^{\circ}C$ unless otherwise noted)

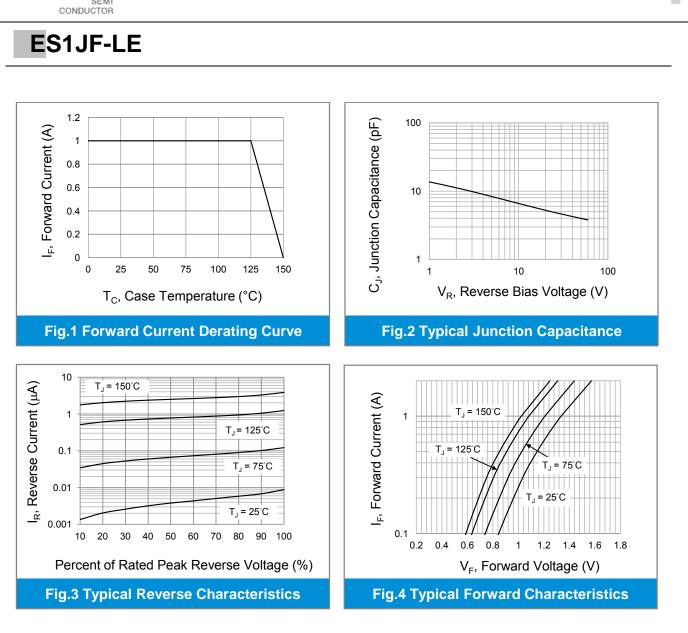
PARAMETER		SYMBOL	LIMIT	UNIT
Maximum repetitive peak reverse voltage		Vrrm	600	V
Maximum rms voltage		Vrms	420	V
Maximum dc blocking voltage		VR	600	V
Maximum average forward current		lf(AV)	1	А
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load		IFSM	30	А
Typical forward voltage at 1A		VF	1.65	V
Maximum dc reverse current at rated dc blocking voltage		lr	5	μA
Typical junction capacitance Measured at 1MHz and applied V _R =4V		CJ	10	pF
Maximum reverse recovery time	(Note 3)	Trr	35	ns
Typical thermal resistance	(Note 1)	Reja	150	°C/W
	(Note 2)	Rejc	18	
Operating and storage temperature range		TJ, TSTG	-55 to +150	°C

Note : 1. Mounted on a FR4 PCB, single-sided copper, mini pad.

2. Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area

3. Reverse Recovery Test Conditions : IF=0.5A, IR=1A, IRR=0.25A





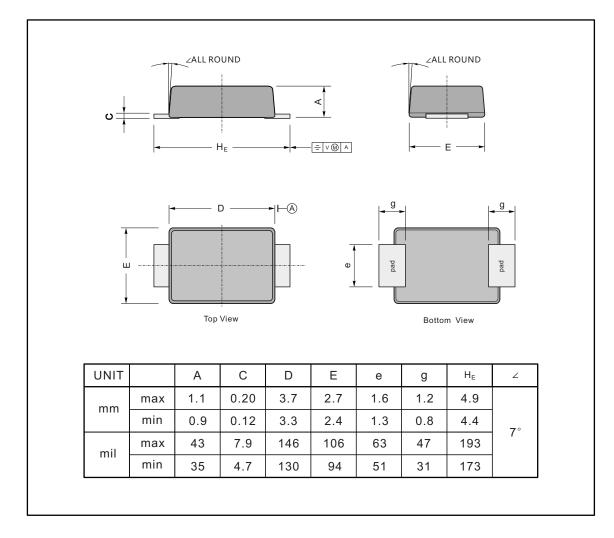


Approve Sheet

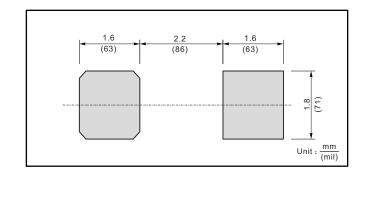
Part Number: ES1JF-LE

ES1JF-LE

Package Outline



Pad Layout





ES1JF-LE

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