

Maximum Ratings And Electrical Characteristics (TA=25°C unless otherwise noted)

PARAMETER		SYMBOL	LIMIT	UNIT	
Maximum repetitive peak reverse voltage		Vrrm	40	V	
Maximum rms voltage		Vrms	28	V	
Storage temperature range		VR	40	V	
Maximum average forward rectified current		lf(AV)	3	A	
Peak forward surge current : 8.3ms single half sine-wave superimposed on rated load		IFSM	100	А	
Typical junction capacitance (VR=4V, f=1MHz)		CJ	235	pF	
Typical thermal resistance	(Note 1)	Røjl	17	°C/W	
	(Note 2)	Roja	135		
Operating junction temperature range		TJ	-55 to +150	٥C	
Storage temperature range		Тѕтс	-55 to +150	°C	

Note : 1. Mounted on a FR4 PCB, single-sided copper, with 48cm² copper pad area.

2. Mounted on a FR4 PCB, single-sided copper, mini pad.

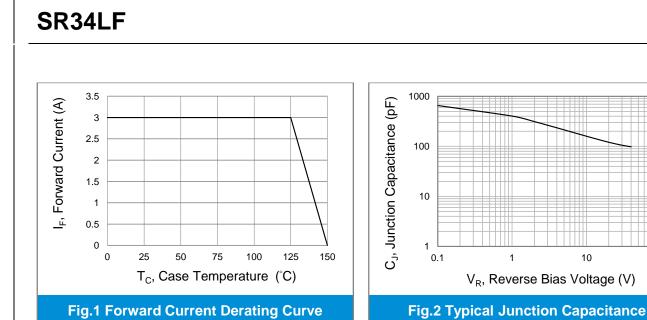


SR34LF

Electrical Characteristics (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage	V_{BR}	I _R =0.5mA	TJ=25°C	40	-	-	V
Instantaneous forward voltage	VF	I _F =1A	TJ=25°C	-	0.37	-	V
		I⊧=3A		-	0.43	0.46	
		I⊧=1A	TJ=125⁰C	-	0.24	-	V
		I⊧=3A		-	0.35	-	
Reverse current I _R		V _R =32V	TJ=25°C	-	15	-	μΑ
	IR	V _R =40V	TJ=25°C	-	-	100	μA
			Tj=125⁰C	-	16	-	mA





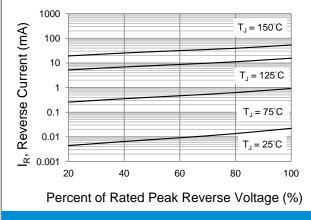
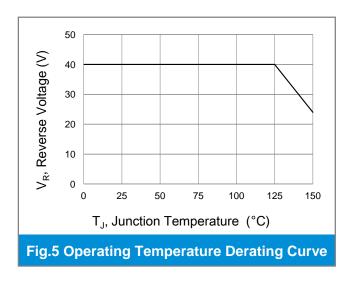
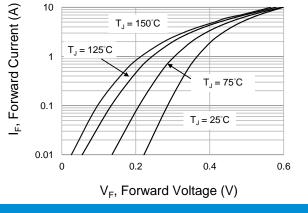


Fig.3 Typical Reverse Characteristics





10

100

Fig.4 Typical Forward Characteristics

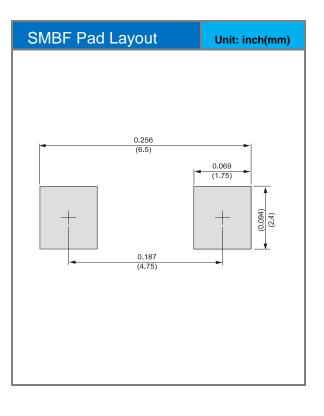


SR34LF

Product and Packing Information

Part No.	Package Type	Packing Type	Marking	
SR34LF	SMBF	1.5K pcs / 7" reel	SR34LF	
SR34LF	SMBF	5K pcs / 13" reel	SR34LF	

Mounting Pad Layout





SR34LF

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