

Surface Mount Glass Passivated Fast Recovery Rectifier

SMAF(eSGB)			Features								
			 ROHS compliant Glass passivated chip High forward surge capability Meet MSL level 1, per J-STD-020 LF maximum peak of 250 °C Solder dip 260 °C / 40S Component in accordance to ROHS 2002/95/EC and WEEE 2002/96/WC UL recognition, file number E342874 								
Primary characteristics			Applications								
I _{F(AV)}		2A	Ideal	for ac-	-to-dc	bridge	e full w	ave re	ectifica	ation s	uck as
V _{RRM}	50V te	o 1000V	SMPS, home applianes, office equipment, indusrial								
I _{FSM}	6	60A	automation applicatios								
I _{RM}	Ę	ōuA									
V _{FM} at I _F =2A		.3V	Mechanical data								
$T_{\rm J}$ max.		.0 °C	SMAF(eSGB)								
Maximum rating (Ta	a=25°C ι	inless othe	 Po Mo Re 	comm	As ma g Torq iendeo	arked. ue:100 d Torq	cm-kg	(8.8 in [°] cm-k		bs)ma ches-lk	
Parameter			Sym	L2F 1-SL	L2F 2-SL	L2F 3-SL	L2F 4-SL	L2F 5-SL	L2F 6-SL	L2F 7-SL	Unit
Max. repetitive peak revers	e voltage		V _{RRM}	50	100	200	400	600	800	1000	V
Max. RMS reverse voltage			VRMS	35	70	140	280	420	560	700	V
Max. DC blocking voltage			V _{DC}	50	100	200	400	600	800	1000	V
Max. average forward current			IF(AV)	2						A	
Non-repetitive peak forward surge current 8.3ms single half-sine-wave			IFSM	60 A						А	
Max. instantaneous forward voltage drop per diode			VFM	1.3 (2A) V						V	
Max. instantaneous reverse	e current	Ta=25 ⁰C	lov.	5						ıΔ	
at rated DC blocking voltag	е	Ta=125 ⁰C	IRM	I _{RM}			50	μA			
Operating junction temperature			TJ	-55 ~ +150						°C	
Storage temperature				-55 ~ +150					°C		
Maximum reverse recovery time			trr	150 250 500					nS		
Typical thermal resistance (Note 1)			R ј-м	12					°C/W		
Typical junction capacitance (Note 2)			CJ	11 pF					pF		

Notes:

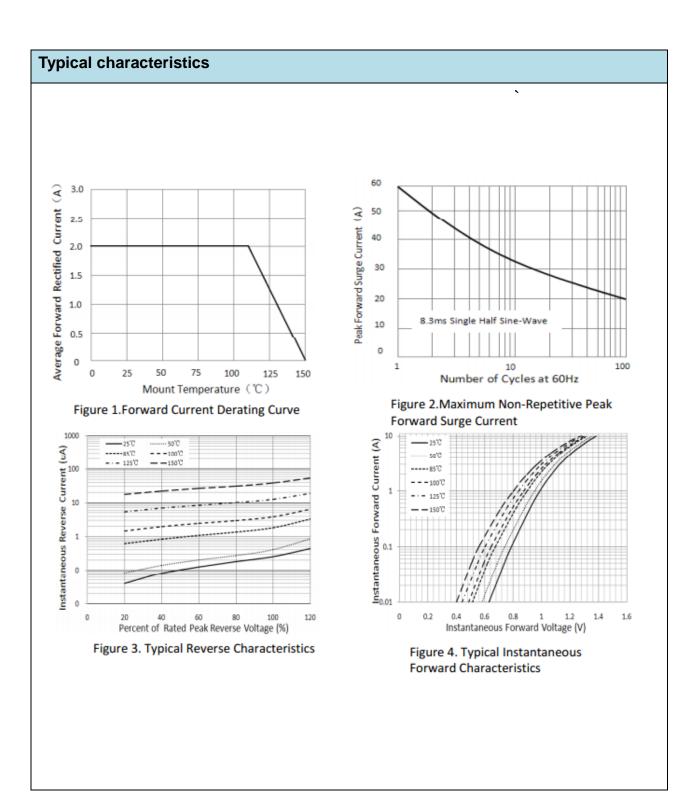
1 The thermal resistance from junction to mount,mounted on P.C.B with 8x8mm copper pads,2 OZ,FR4 PCB

2. Measured at 1 MHz and Applied Reverse Voltage of 4.0 V D.C



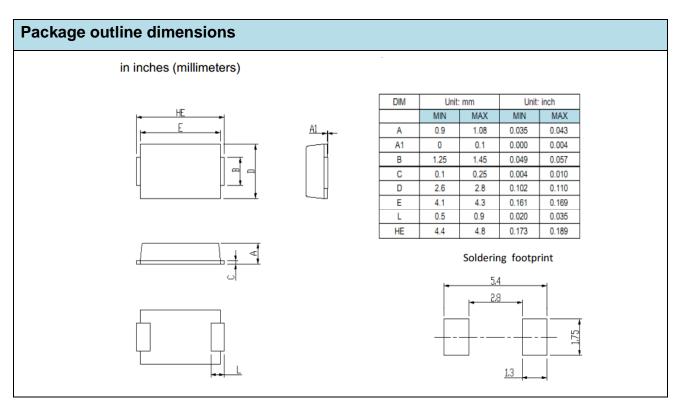
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Ordering information (Example)								
PREFERRED	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE				
L2F7-SL								





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