

SMA(DO-214AC)			Feat	ures							
			 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	Ideal for ac-to-dc bridge full wave rectification suck as							
V _{RRM}	50V t	o 600V	SMPS, home applianes, office equipment, indusrial								
I _{FSM}	5	0A	automation applicatios								
I _{RM}	5	ūΑ									
V _{FM} at I _F =2A		.25/1.7V	Mechanical data								
T _J max.		0°C	• SMA(DO-214AC)								
Maximum rating (Ta=	25°C u	nless othe	 Po Mo Re 	larity: ounting comm	s: Tin p As ma g Torqu ended	rked. Je:10c	m-kg(8.8 inc		,	
Parameter			SMA(DO-214AC)								
			Sym	ES	ES	ES	ES	ES	ES	ES	Unit
Max. repetitive peak reverse v	Any repetitive peak reverse voltage		Vrrm	2AA 50	2BA 100	2CA 150	2DA 200	2FA 300	2GA 400	2JA 600	V
Max. RMS reverse voltage				35	70	105	140	210	280	420	V
Max. DC blocking voltage			V _{DC}	50	100	150	200	300	400	600	V
Max. average forward current			IF(AV)	2					А		
Non-repetitive peak forward surge current			IFSM	50 A					Δ		
8.3ms single half-sine-wave			1FSM								
Max. instantaneous forward voltage drop per diode		Vfm	0.92 1.25 1.7 V					V			
Max. instantaneous reverse c	urrent	Ta=25 °C	I _{RM}				5	μ		μA	
at rated DC blocking voltage Ta=125 °C				350							
Operating junction temperature			TJ	-55 ~ +150 -55 ~ +150					°C		
			Toto			_5	5~16	50			or
Storage temperature Maximum reverse recovery tir	ne (Note	1)	Т _{STG} trr			-5	5 ~ +15 35	50			°C nS

Notes:

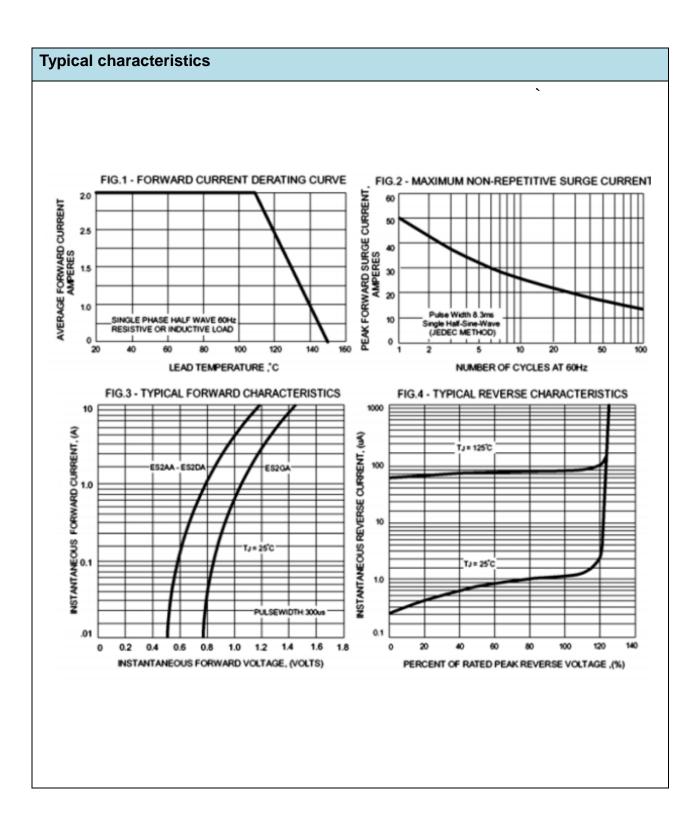
1 Reverse Recovery Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A

2 P.C.B. Mounted on 0.2 x 0.2" (5.0 x 5.0mm) Copper Pad Area



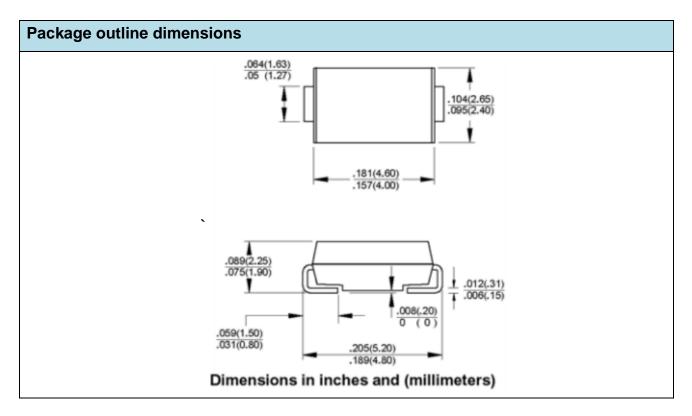
Super Fast Surface Mount Rectifiers

Ordering information (Example)								
PREFERRED	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE				
ES2AA								





Super Fast Surface Mount Rectifiers



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