

# **Glass Passivated Fast Recovery Rectifier**

<u>DO-15(DO-204AC)</u>			Features								
				ROHS compliant							
				Glass passivated chip							
				High forward surge capability							
1	$\sim$		<ul> <li>Meet MSL level 1, per J-STD-020 LF maximum peak of 250 °C</li> </ul>								
<b>*</b> *	\$¥==				ip 260			0			
and the second					•			to RC	HS 2	002/95	EC/
					EE 20						
			• UL	recog	gnition	, file n	umbe	r E342	2874		
Primary character	istics		Appl	licati	one						
Primary characteristics			Applications Ideal for ac-to-dc bridge full wave rectification suck as								
I <sub>F(AV)</sub>											
V <sub>RRM</sub>		0 1000V	SMPS, home applianes, office equipment, indusrial								
I <sub>FSM</sub>		5A	automation applicatios								
I <sub>RM</sub>		uA									
V <sub>FM</sub> at I <sub>F</sub> =2 A		.3V	Mechanical data								
T <sub>J</sub> max.	15	0°C	DO-15(DO-204AC)								
	<ul> <li>Epoxy meets UL 94 V-0 flammability rating</li> <li>Terminals: Tin plated leads.</li> </ul>										
				<ul> <li>Polarity: As marked.</li> </ul>							
				<ul> <li>Mounting Torque:10cm-kg(8.8 inches-lbs)max.</li> </ul>							
			• Re	comm	nendeo	d Torq	ue:5.7	cm-kę	g(5 ind	ches-lb	os)
Maximum rating (Ta	a=25°C u	nless othe	erwise r	noted	)						T
				DO-15(DO-204AC)							-
Parameter			Sym	FR	FR	FR	FR	FR	FR	FR	Unit
				201G	202G	203G	204G	205G	206G	207G	
Max. repetitive peak revers	e voltage		VRRM	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 <sub>DC</sub>	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	55 A							Α
Max. instantaneous forward voltage drop per diode			VFM	1.3 (2A) V					V		
Max. instantaneous reverse current Ta=25 °C				5							
at rated DC blocking voltage Ta=125 °C			I <sub>RM</sub>	μA							μA
Operating junction temperature			TJ	-55 ~ +150 °C					°C		
Storage temperature			Tstg	-55 ~ +150					°C		
Maximum reverse recovery time (Note 1)			trr	150 250 500 nS				nS			
Typical junction capacitance (Note 2)			CJ				25				pF

#### Notes:

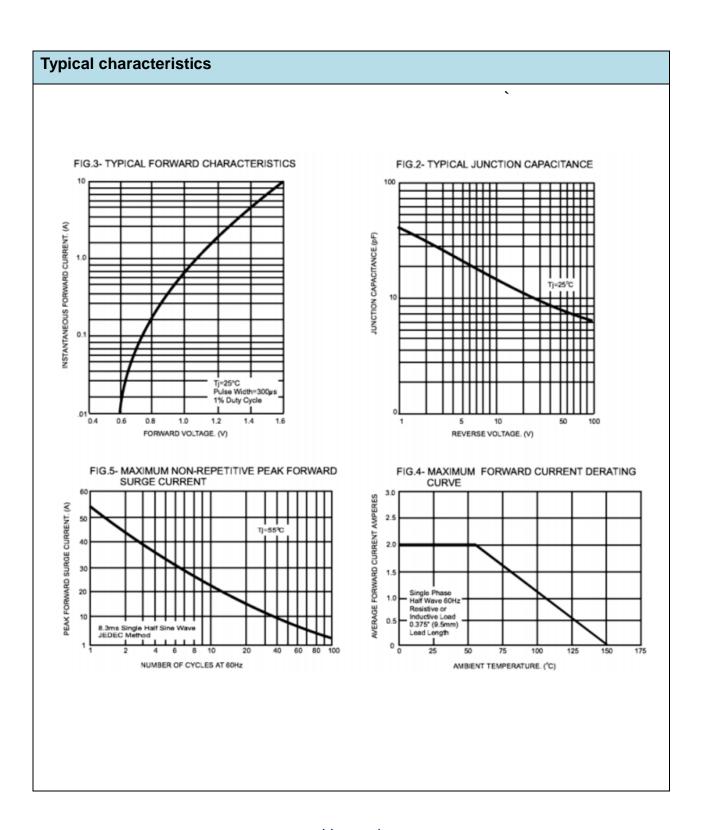
1 Reverse Recovery Test Conditions:  $I_F$  =0.5A,  $I_R$  =1.0A,  $I_{RR}$ =0.25

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



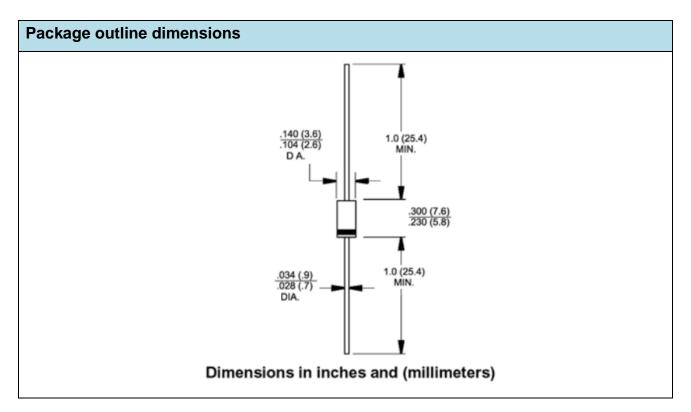
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Ordering information (Example)								
PREFERRED	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE				
FR207G								





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