

High Efficient Rectifier Diode

Features

- Low power loss
- Ultra-fast recovery time for high efficiency
- Glass passivated chip junction
- Low leakage current
- High forward surge capability
- Solder dip maximum peak of 275 °C /7s, per JESD 22-B106



For use in high frequency rectification and freewheeling application in switching mode converters and inverters for consumer ,computer and telecommunication.



- Package: DO-204AC(D0-15)
 Molding compound meets UL 94 V-0 flammability rating,RoHS-compliant
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Color band denotes cathode end



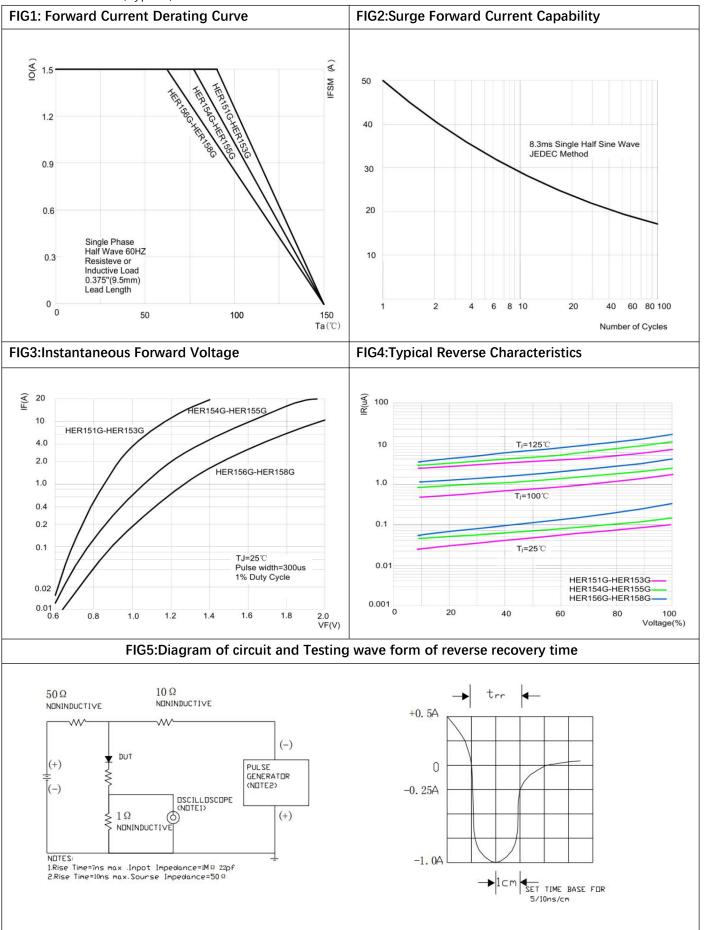
DADAMETED	Symbol	Unit	0	HER15							
PARAMETER			Conditions	1G	2G	3G	4G	5G	6G	7G	8G
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	300	400	600	800	1000
Average Forward Current	I _{F(AV})	Α	60Hz Half-sine wave, Resistance load, Ta (FIG.1)	1.5							
Surge(Non-repetitive)Forward Current	I _{FSM}	Α	60HZ sine wave, 1 cycle, Ta=25℃								
Storage Temperature	T _{stg}	$^{\circ}\!\mathbb{C}$		-55 ~ + 150							
Junction Temperature	Tj	$^{\circ}\!\mathbb{C}$		-55 ~ +150							

■ Electrical Characteristics (Ta=25°C Unless otherwise specified)

DADAMETED	Cumbal	Unit	Conditions			HER15							
PARAMETER	Symbol		Conditions		1G	2G	3G	4G	5G	6G	7G	8G	
Peak Forward Voltage	V _{FM}	V	I _{FM} =1.5A			1.0 1.3				1.7			
Peak Reverse Current	I _{RRM1}		\/ - \/	Ta=25°C 2.5									
	I _{RRM2}	μA	V _{RM} =V _{RRM}	Ta=125℃	150								
Maximum reverse recovery time	Trr	ns	I F =0.5A , I R =1A I RR =0.25A		50					75			
Thermal Resistance(Typical)	R өJ-A	°C/W	Between junction and ambient			55							
Typical junction capacitance			Measured at 1MHZ and applied reverse voltage of 4.0 V.D.C		Measured at 1MHZ and								
	Cj	pF								35			



■ Characteristics (Typical)

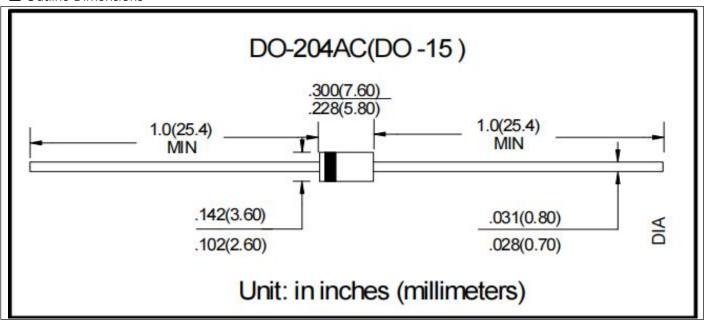




■ Ordering Information (Example)

PREFERED	PACKAGE CODE		INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE	
HER151G ~ HER158G	DO-204AC(DO-15)	3000	3000	30000	Таре	

■ Outline Dimensions





IMPORTANT NOTICE AND DISCLAIMER

AM RESERVES THE RIGHT TO MAKE CHANGES TO ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE. CUSTOMERS SHOULD OBTAIN AND CONFIRM THE LATEST PRODUCT INFORMATION AND SPECIFICATIONS BEFORE FINAL DESIGN PURCHASE OR USE.

AM disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

All information are provided as-is, even it has qualified by the AEC-Q101 which satisfy industrial application requirement, except as expressly stated in this data sheet is applied for automotive grade, AM make no warranties, representation or guarantee, whether express, implied or statutory, including, without limitation, regarding any merchantability, satisfactory quality, or fitness for a particular purpose with respect to AM.

Am does not assume any liability or compensation for any application assistance or customer product design, and make no warranty or accept any liability with products, which are purchased or used for any unintended or unauthorized application.

Except as expressly indicated in writing, AM products are not designed for use in medical, life-saving, or lifesustaining applications or for any other application in which the failure of the AM product could result in personal injury or death. Customers using or selling AM products not expressly indicated for use in such applications do so at their own risk. Please contact authorized AM personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of AM. Product names and markings noted herein may be trademarks of their respective owners.