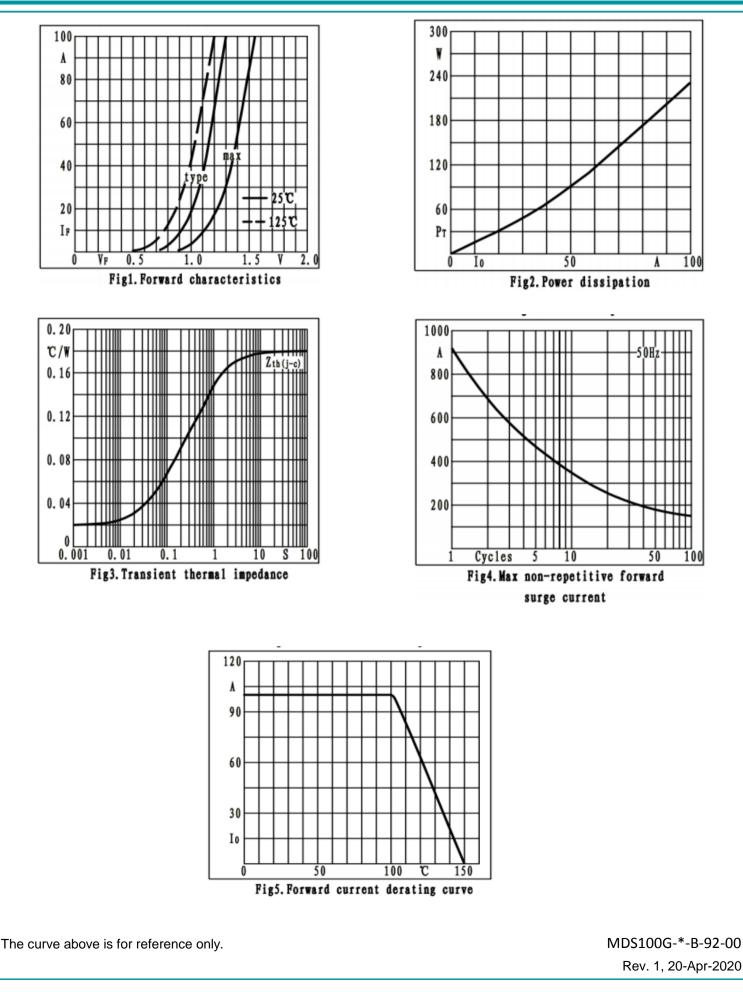


MDS100G SERIES

Glass Passivated Rectifier Diode Modules		Reverse Voltage - 1200 to 1800 Volts Forward Current - 100 Amperes			
 Features Three phase bridge rectifier Blocking voltage: 1200 to 1800V Heat transfer through aluminum oxide DBC ceramic isolated metal baseplate Glass passivated chip Ut recognized applied for file no. E304417 Applications Three phase rectifiers for power supplies Rectifiers for DC motor field supplies Battery charger rectifiers Input rectifiers for variable frequency drives Note: Products with logo frequency drives are made by HY Electronic (Cayman) Limited. 		M16G 5-M5			
Maximum Ratings and Electric	cal Characte		ackage Outline Dimer	nsions in Millimeters	
Rating at 25 [°] C ambient temperature unless Single phase, half wave, 60Hz, resistive or For capacitive load, derate current by 20% TYPE	s otherwise spec inductive load.	eristics ified. VRR	RM	VRSM	
MDS100G-12 MDS100G-16	s otherwise spec inductive load.	eristics ified. VRR 1200 1600	RM Contraction of the second s	VRSM 1300V 1700V	
Rating at 25 °C ambient temperature unless Single phase, half wave, 60Hz, resistive or For capacitive load, derate current by 20% TYPE MDS100G-12 MDS100G-16 MDS100G-18 Characteristics	s otherwise spec inductive load.	eristics ified. VRR 1200	RM DV DV DV Values	VRSM 1300V	
Rating at 25 °C ambient temperature unless Single phase, half wave, 60Hz, resistive or For capacitive load, derate current by 20% TYPE MDS100G-12 MDS100G-16 MDS100G-18	s otherwise spec inductive load.	eristics ified. VRR 1200 1600	RM 20V 20V 20V 20V 20V 20V 20V 200 200 200	VRSM 1300V 1700V 1900V	Unit A A A ² s V
Rating at 25 °C ambient temperature unless Single phase, half wave, 60Hz, resistive or For capacitive load, derate current by 20% TYPE MDS100G-12 MDS100G-16 MDS100G-18 Characteristics Three phase, full wave Tc=100 °C t=10mS Tvj =45 °C	s otherwise spec inductive load.	eristics ified. VRR 1200 1600	RM 20V 20V 20V 20V 20V 20V 200 200 200 200	VRSM 1300V 1700V 1900V	A A A ² s V
Rating at 25 °C ambient temperature unless Single phase, half wave, 60Hz, resistive or For capacitive load, derate current by 20% TYPE MDS100G-12 MDS100G-16 MDS100G-18 Characteristics Three phase, full wave Tc=100 °C t=10mS Tvj =45 °C t=10mS Tvj	s otherwise spec inductive load.	eristics ified. VRR 1200 1600	RM 200 DV 200 DV 200 DV 200 Values 100 920 4200 3000 -40 to + 150 -40 to + 125 3±15% 3±15% 130 0.18 0.18	VRSM 1300V 1700V 1900V	A A A ² s V C Nm Nm g
Rating at 25 °C ambient temperature unless Single phase, half wave, 60Hz, resistive or For capacitive load, derate current by 20% TYPE MDS100G-12 MDS100G-16 MDS100G-16 MDS100G-18 Characteristics Three phase, full wave Tc=100 °C t=10mS Tvj =45 °C t=10mS Tvj =45 °C a.c.50HZ;r.m.s.;1min	s otherwise spec inductive load.	eristics ified. VRR 1200 1600	RM 0 DV 0 DV 0 DV 0 DV 0 Values 100 920 4200 3000 -40 to + 150 -40 to + 125 3±15% 3±15% 130	VRSM 1300V 1700V 1900V	A A ² s V °C Nm Nm

Rating and Characteristic Curves

MDS100G



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