

Glass Passivated Three
Phase Rectifier Bridge

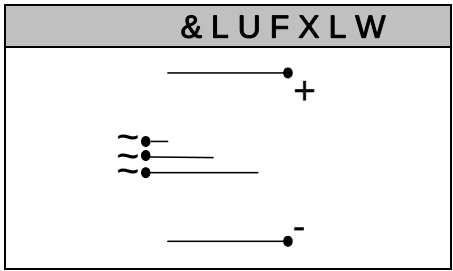
VRRM 800 to 1800V
ID 130 A

Applications

- Three phase rectifiers for power supplies
- Rectifiers for DC motor field supplies
- Battery charger rectifiers
- Input rectifiers for variable frequency drives

Features

- Three phase bridge rectifier
- Blocking voltage:800 to 1800V
- Heat transfer through aluminum oxide DBC ceramic isolated metal baseplate
- Glass passivated chip
- UL recognized applied for file no. E360040



Module Type

TYPE	VRRM	VRSM
MD130S08M5	800V	900V
MD130S12M5	1200V	1300V
MD130S16M5	1600V	1700V
MD130S18M5	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
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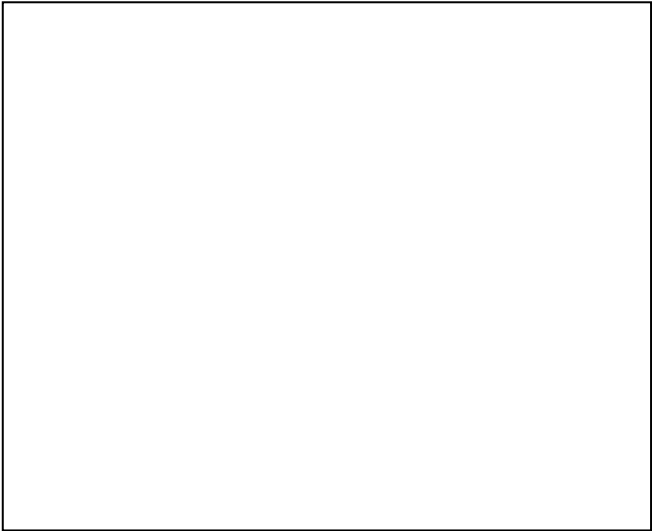
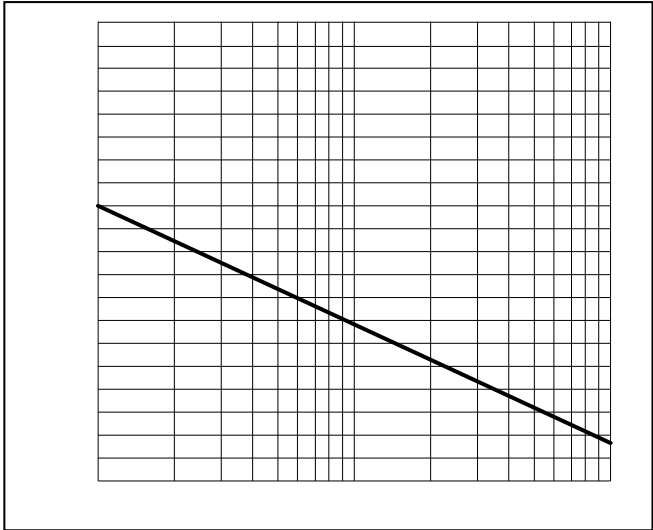
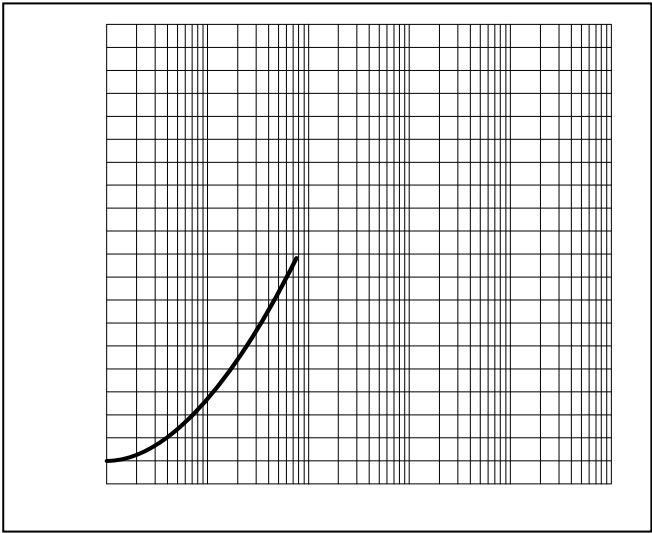
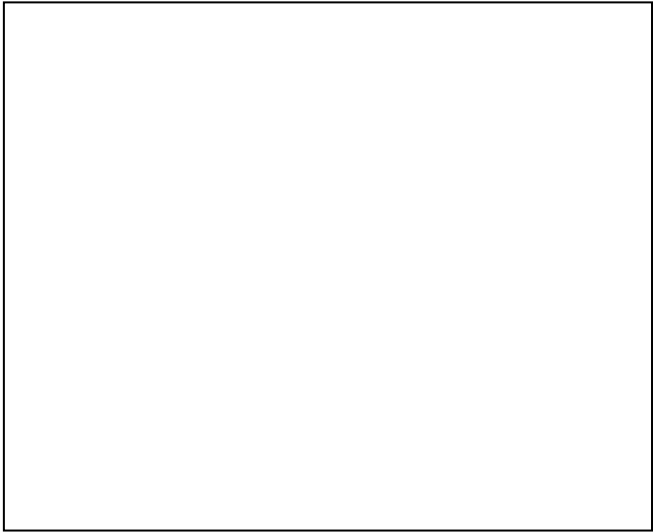
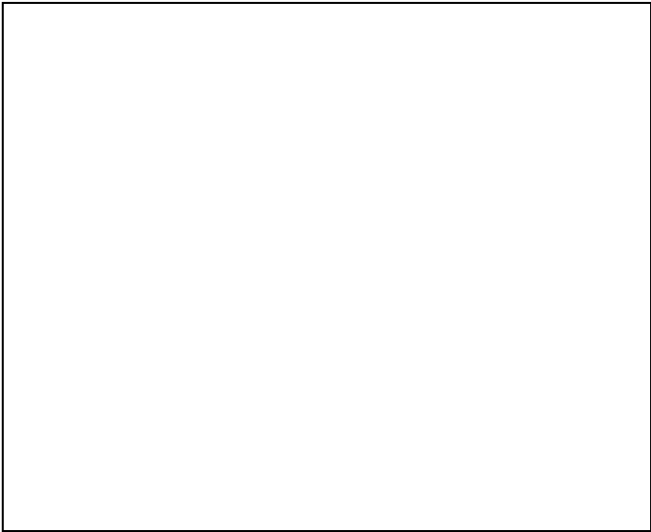
Thermal Characteristics

Symbol	Conditions	Values	Units
Rth(j-c)	Per diode	0.9	/W
Rth(c-s)	Module (Approximately)	0.03	/W

Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
VFM	T=25 IF =300A	É	1.58	1.80	V
IRD	Tvj=25 Vi				

Performance Curves



Package Outline Information

CASE 0M5

YJ

Dimensions in mm