ROF COMPLIANT

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### **Single Phase Bridge** (Power Modules), 25 A/35 A

F	EATURES
•	Universal 3 way ter

Universal, 3 way terminals: push-on, wrap around or solder

•	High thermal conductivity	package,	electrically
	insulated case		

- · Center hole fixing
- Excellent power/volume ratio
- Nickel plated terminals solderable using lead (Pb)-free solder; solder alloy Sn/Ag/Cu (SAC305); solder temperature 260 to 275 °C
- UL E300359 approved
- · RoHS compliant
- · Designed and qualified for industrial and consumer level

#### DESCRIPTION

A range of extremely compact, encapsulated single phase bridge rectifiers offering efficient and reliable operation. They are intended for use in general purpose and instrumentation applications.

MAJOR RATINGS AND CHARACTERISTICS					
SYMBOL	CHARACTERISTICS	26MB-A	36MB-A	UNITS	
1		25	35	A	
I <sub>O</sub>	T <sub>C</sub>	70	55	°C	
1	50 Hz	400	475	•	
IFSM	60 Hz	420	500	A	
l <sup>2</sup> t	50 Hz	790	1130	- A <sup>2</sup> s	
1-1	60 Hz	725	1030		
V <sub>RRM</sub>	Range	1400 to 1600	1400 to 1600	V	
TJ		- 55 to 150	- 55 to 150	°C	

#### **ELECTRICAL SPECIFICATIONS**

VOLTAGE RATINGS				
TYPE VOLTAGE NUMBER CODE		V <sub>RRM</sub> , MAXIMUM REPETITIVE PEAK REVERSE VOLTAGE V	V <sub>RSM</sub> , MAXIMUM NON-REPETITIVE PEAK REVERSE VOLTAGE V	I <sub>RRM</sub> MAXIMUM AT T <sub>J</sub> MAXIMUM mA
26MBA	140	1400	1500	2
36MBA	160	1600	1700	2





25 A/35 A

**PRODUCT SUMMARY** 

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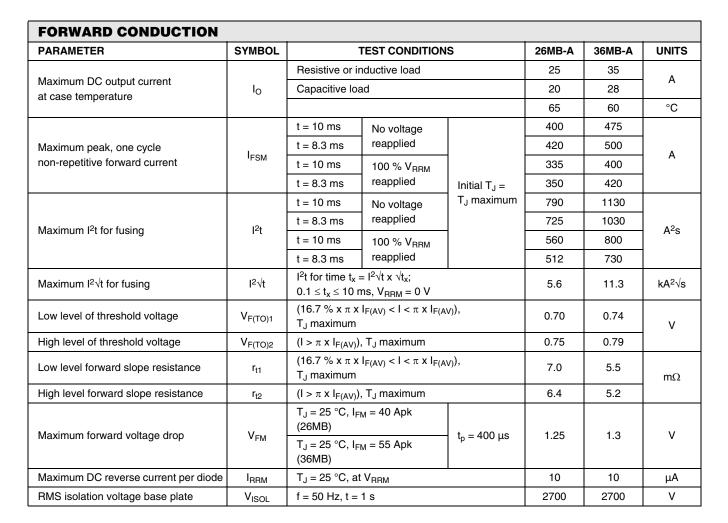




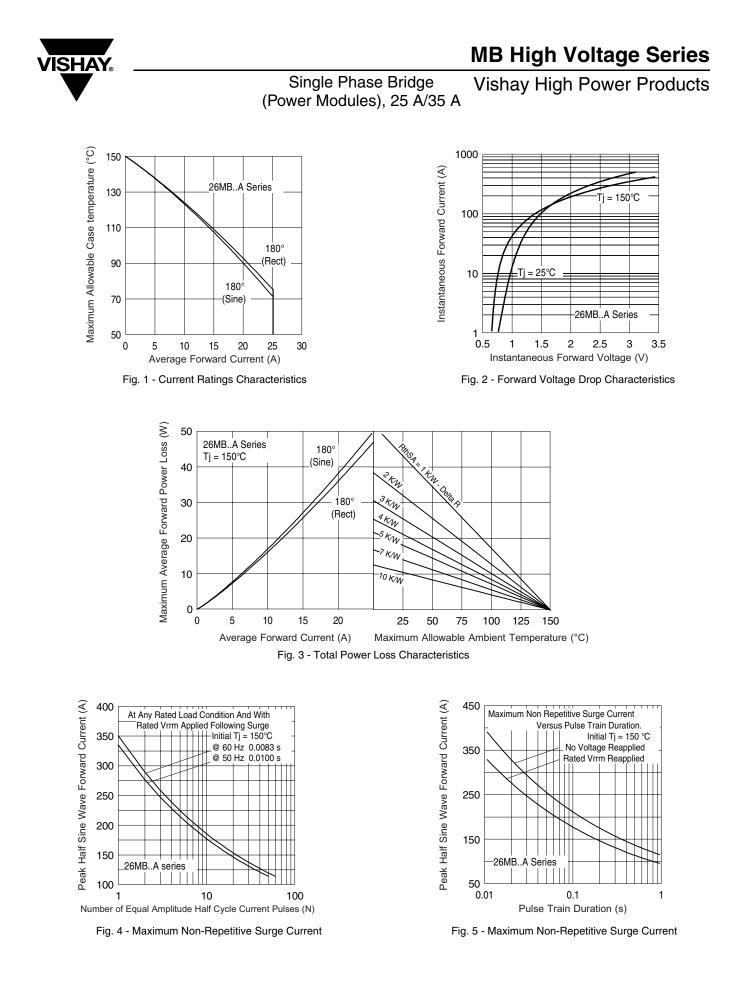
# **MB High Voltage Series**

### Vishay High Power Products

#### Single Phase Bridge (Power Modules), 25 A/35 A



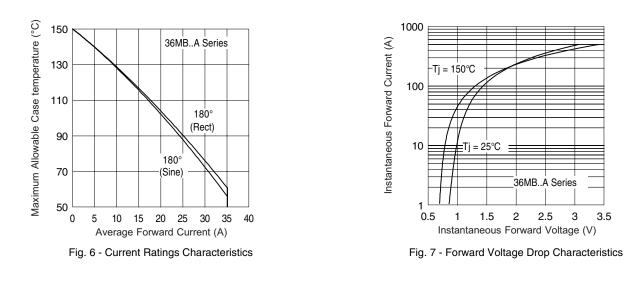
THERMAL AND MECHANICAL SPECIFICATIONS					
PARAMETER	SYMBOL	TEST CONDITIONS	26MB-A	36MB-A	UNITS
Junction and storage temperature range	T <sub>J</sub> , T <sub>Stg</sub>		- 55 to 150		°C
Maximum thermal resistance, junction to case per bridge	R <sub>thJC</sub>		1.7	1.35	K/W
Maximum thermal resistance, case to heatsink	R <sub>thCS</sub>	Mounting surface, smooth, flat and greased	nd greased 0.2		rv vv
Mounting torque ± 10 %		Bridge to heatsink	2.0		Nm
Approximate weight	ate weight 20		0	g	

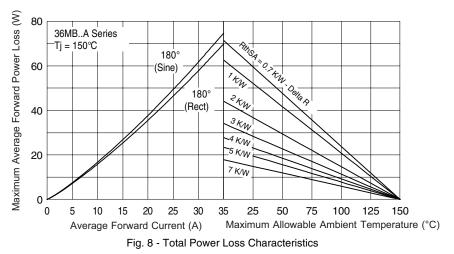


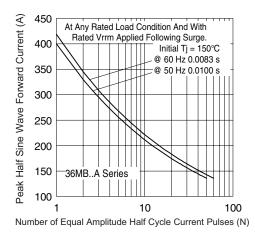
# **MB High Voltage Series**

### Vishay High Power Products

s Single Phase Bridge (Power Modules), 25 A/35 A









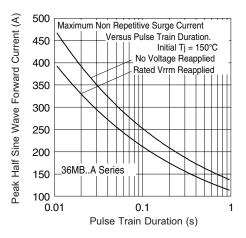
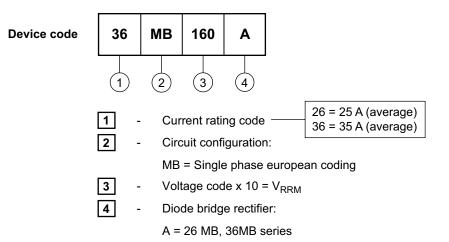


Fig. 10 - Maximum Non-Repetitive Surge Current

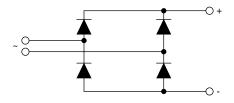


Single Phase Bridge (Power Modules), 25 A/35 A Vishay High Power Products

#### ORDERING INFORMATION TABLE



#### **CIRCUIT CONFIGURATION**



LINKS TO RELATED DOCUMENTS		
Dimensions	http://www.vishay.com/doc?95326	

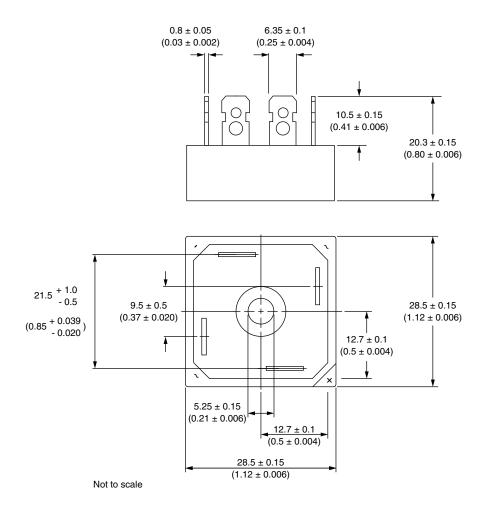


### **Outline Dimensions**

**Vishay Semiconductors** 

**D-34** 

#### **DIMENSIONS** in millimeters (inches)



Suggested plugging force: 200 N max; axially applied to fast-on terminals



Vishay

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