

FEATURES

- Reverse voltage up to 1600V
- Heat transfer and isolation through DBC
- Robust plastic case with screw terminals
- Large, isolated copper base plate
- Easy chassis mounting

TYPICAL APPLICATIONS

- Single phase rectifiers for power supplies
- Input rectifiers for variable frequency drivers
- Rectifiers for DC motor
- Battery charger

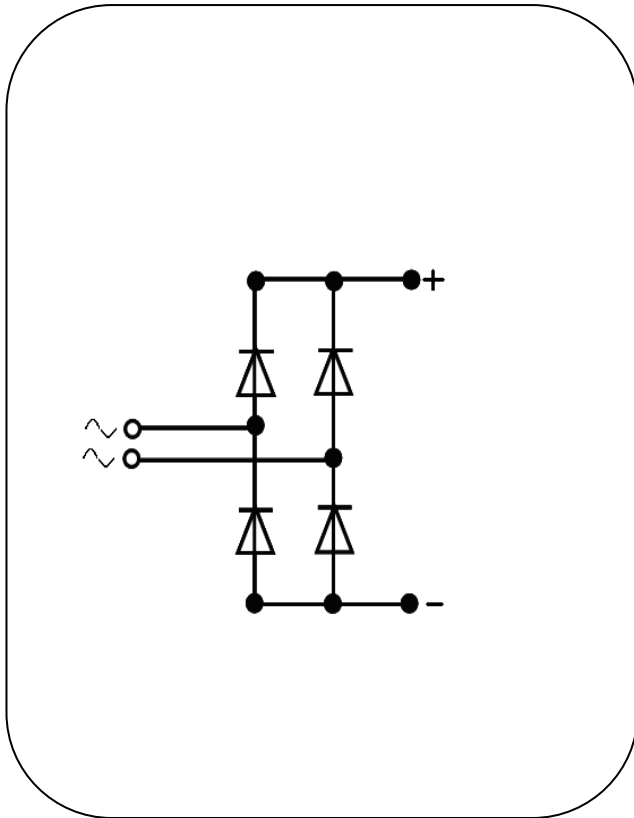
TECHNICAL DATA

DEVICE TYPE	V _{RRM} (V)	V _{RSM} (V)
MD5BU15/04	400	500
MD5BU15/12	1200	1300
MD5BU15/16	1600	1700

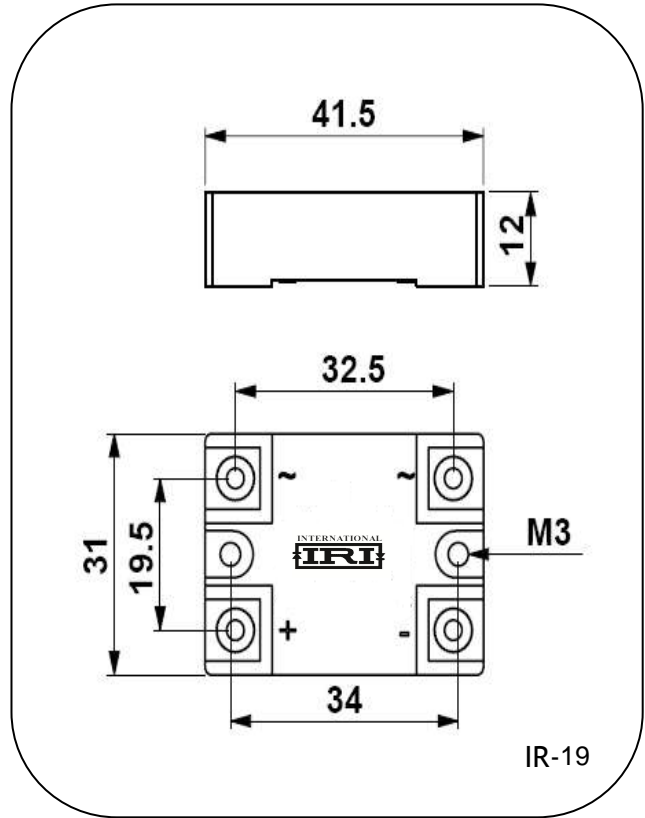


SYMBOL	CONDITIONS	VALUES
I _{F(AV)}	T _a = 25°C inductive load.	15A
V _{FM}	Maximum peak forward Voltage drop @ 45	1.30 V
I _{FSM}	Maximum peak one cycle (non-rep.) surge current 10 msec	300A
I ² _t	Max. I ² t rating (non-rep.) for 10 msec	450 A ² Sec
I _{RRM}	Peak reverse current at T _{vj} = 175°C	10 mA
V ₀	T _{vj} =max	0.85 V
R ₀	T _{vj} =max	12 mΩ
R _{th(j-c)}	told	4°C/W
T _{vj}	Junction temperature	150 °C
T _{stg}	Storage temperature	150 °C
Mounting torque		2 Nm/Bolt
Weight	Approx.	30 gms
Package Outline		IR-19

CIRCUIT DIAGRAM



PACKAGE OUTLINE



All dimensions are in mm.

Insel Rectifiers (India) Pvt. Ltd.

(An ISO 9001:2015, ISO 14001:2015 Certified Company)

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