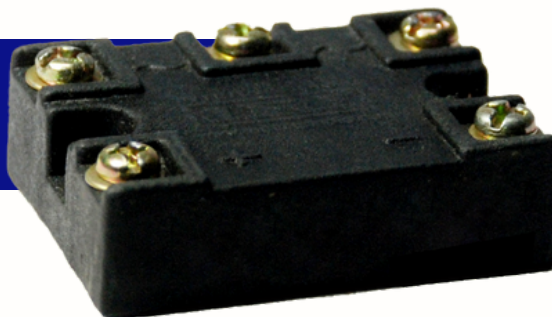


BRIDGE RECTIFIERS MD5TU15



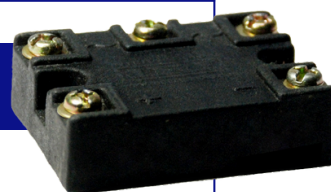
FEATURES

- 👉 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

- 👉 Three phase rectifiers for power supplies
- 👉 Input rectifiers for variable frequency drivers
- 👉 Rectifiers for DC motor
- 👉 Battery chargers

**BRIDGE
RECTIFIERS**
MD5TU15



TECHNICAL DATA

DEVICE TYPE

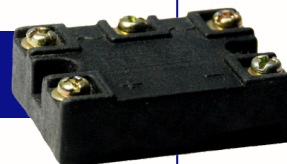
V_{RRM}
(V)

V_{RSM}
(V)

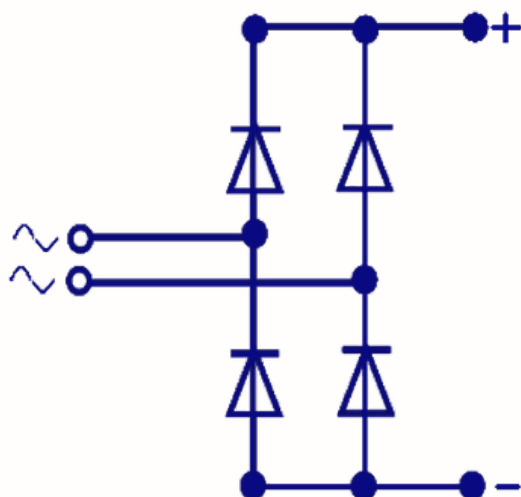
MD5TU10/04	400	500
MD5TU10/12	1200	1300
MD5TU10/16	1600	1700

SYMBOL	CONDITIONS	VALUES
$I_{F(AV)}$	$T_a = 25^{\circ}\text{C}$ inductive load.	19A
V_{FM}	Maximum peak forward Voltage drop @ 45	1.30 V
I_{FSM}	Maximum peak one cycle (non-rep.) surge current 10 msec	300 A
I^2t	Max. I^2t rating (non-rep.) for 10 msec	450 A ² Sec
I_{RRM}	Peak reverse current at $T_{vj} = 175^{\circ}\text{C}$	10 mA
V_0 R_0	$T_{vj} = \text{max}$ $T_{vj} = \text{max}$	0.85 V 12 mΩ
$R_{th(j-c)}$ T_{vj} T_{stg}	told Junction temperature Storage temperature	3 °C/W 150 °C 150 °C
Mounting torque		2 Nm/Bolt
Weight	Approx.	35 gms
Package Outline		IR-22

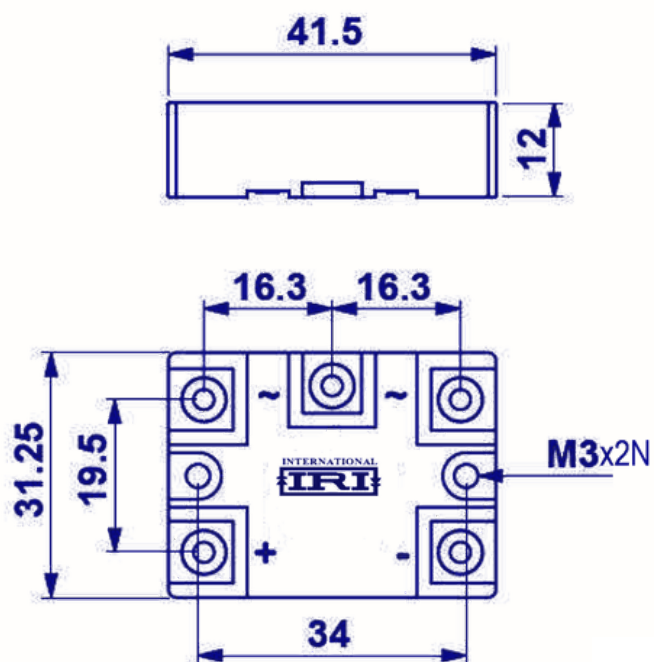
**BRIDGE
RECTIFIERS
MD5TU15**



CIRCUIT DIAGRAM



PACKAGE OUTLINE



IR-22

all dimensions in mm