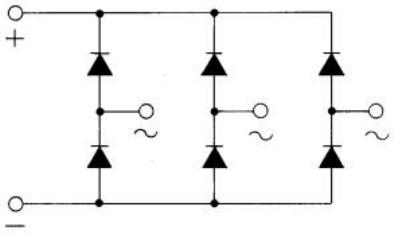
6RI30E-080

Three Phases Rectifying Bridge Module

FEATURES

- The chips are electrically insulated from bosom plate
- High surge current
- Low forward voltage drop
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

- Inverters for AC motors
- Power supply for DC motors
- General purpose DC power supply units

ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_{RRM}	Repetitive Peak Reverse Voltage	T_p=10ms	800	V
I_O	Output Current (D.C)	Tc=88℃	30	A
I_{FSM}	Surge Forward Current	Half-sine wave,10ms	360	A
I^2t	I^2t for fusing		400	A^2s
T_J	Junction Temperature		-40~150	℃
T_{stg}	Storage Temperature Range		-40~125	℃

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j\text{-}c}$	Thermal Resistance, Junction to Case	0.8	℃/W

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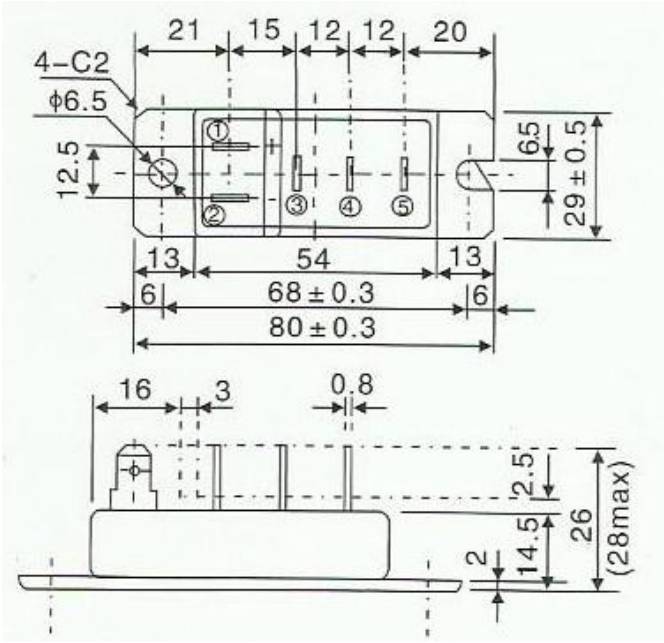
ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_{FM}	Forward Voltage drop	I_F=30A; T_J=25℃	1.6	V
I_{RRM}	Repetitive Peak Reverse Current	V_R=V_{RRM}; T_J=150℃	30	mA

OUTLINE DRAWING

Dimensions in mm (1mm = 0.0394“)



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