

MITSUBISHI DIODE MODULES
RM15TA-24,-2H

HIGH VOLTAGE MEDIUM POWER GENERAL USE
 INSULATED TYPE

RM15TA-24,-2H



- **Io** DC output current **30A**
- **VRRM** Repetitive peak reverse voltage
 **1200/1600V**

- **3 phase bridge**
- **Insulated Type**
- **UL Recognized**

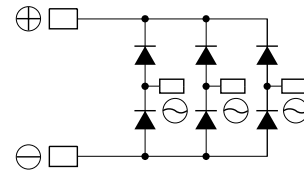
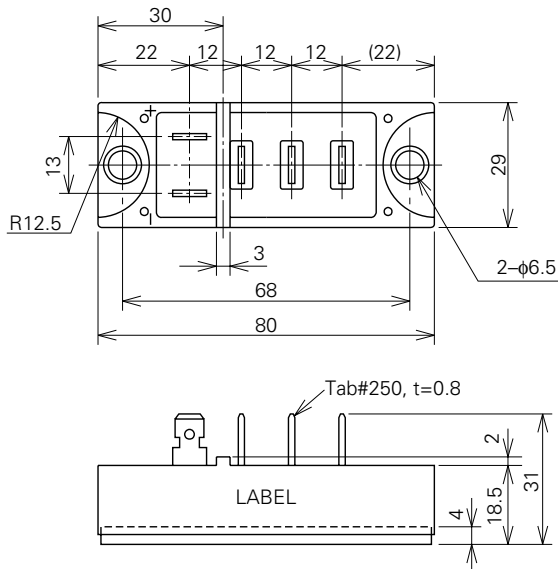
Yellow Card No. E80276 (N)
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APPLICATION

AC motor controllers, DC motor controllers, Battery DC power supplies,
 DC power supplies for control panels, and other general DC power equipment

OUTLINE DRAWING & CIRCUIT DIAGRAM

Dimensions in mm



RM15TA-24,-2HHIGH VOLTAGE MEDIUM POWER GENERAL USE
INSULATED TYPE**ABSOLUTE MAXIMUM RATINGS**

Symbol	Parameter	Voltage class		Unit
		24	2H	
VRRM	Repetitive peak reverse voltage	1200	1600	V
VRSM	Non-repetitive peak reverse voltage	1350	1700	V
Ea	Recommended AC input voltage	370	440	V

Symbol	Parameter	Conditions	Ratings	Unit
Io	DC output current	Three-phase full wave rectifying circuit, Tc=97°C	30	A
IFSM	Surge (non-repetitive) forward current	One half cycle at 60Hz, peak value	300	A
I ² _t	I ² _t for fusing	Value for one cycle of surge current	3.8 × 10 ²	A ² s
f	Maximum operating frequency		1000	Hz
T _j	Junction temperature		-40~+150	°C
T _{stg}	Storage temperature		-40~+125	°C
V _{iso}	Isolation voltage	Charged part to case	2500	V
—	Mounting torque	Mounting screw M6	1.96~2.94	N·m
—	Weight	Typical value	20~30	kg·cm
—	Weight	Typical value	120	g

ELECTRICAL CHARACTERISTICS

Symbol	Parameter	Test conditions	Limits			Unit
			Min.	Typ.	Max.	
I _{RRM}	Repetitive reverse current	T _j =150°C, V _{RRM} applied	—	—	2.0	mA
V _{FM}	Forward voltage	T _j =25°C, I _{FM} =30A, instantaneous meas.	—	—	1.35	V
R _{th(j-c)}	Thermal resistance	Junction to case	—	—	0.65	°C/W
R _{th(c-f)}	Contact thermal resistance	Case to fin, conductive grease applied	—	—	0.1	°C/W
—	Insulation resistance	Measured with a 500V megohmmeter between main terminal and case	10	—	—	MΩ