Features：

- Super fast recovery
- Low forward voltage
- Low leakage current
- Popular module package

Typical Applications

- Inverter welding power supply
- Power supply for telecommunication
- Various switching power supply

V_{RRM}	Type & Outline
200V	MUR20020-302H3

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Maximum average forward current	Single side cooled, T_C=100°C Per Moudle.	150			200	A
V_{RRM}	Repetitive peak voltage	tp=10ms	25			200	V
I_{RRM}	Repetitive peak current	V_{RM}=200V	150			500	μA
			25			10	μA
I_{FSM}	Surge forward current	Per Diode , 8.3ms half sine wave	25			1.1	kA
V_{FM}	Peak forward voltage	Per Diode @I_{FM}=100A	125		1.1	1.2	V
			25		1.2	1.4	V
trr	Reverse Recovery Time	I_F=0.5A, I_{RM}=1A, I_{RR}=0.25A	125		80	120	ns
			25		60	80	ns
C_J	Junction Capacitance	V_R =200V			35		pF
$R_{th(j-c)}$	Thermal resistance Junction to case	Per Diode , Single side cooled				0.40	°C/W
T_{vj}	Junction temperature			-55		150	°C
T_{stg}	Stored temperature			-55		125	°C
F_m	Terminal connection torque(M6)				5.0		N·m
	Mounting torque(M6)				5.0		N·m
W_t	Weight				69		g
Outline	302H3						

Forward current vs Forward voltage

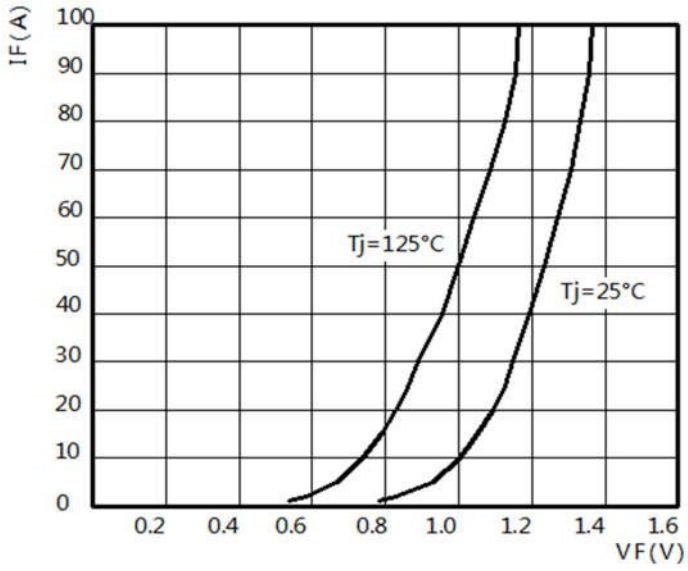


Fig.1

Reverse current vs Reverse voltage

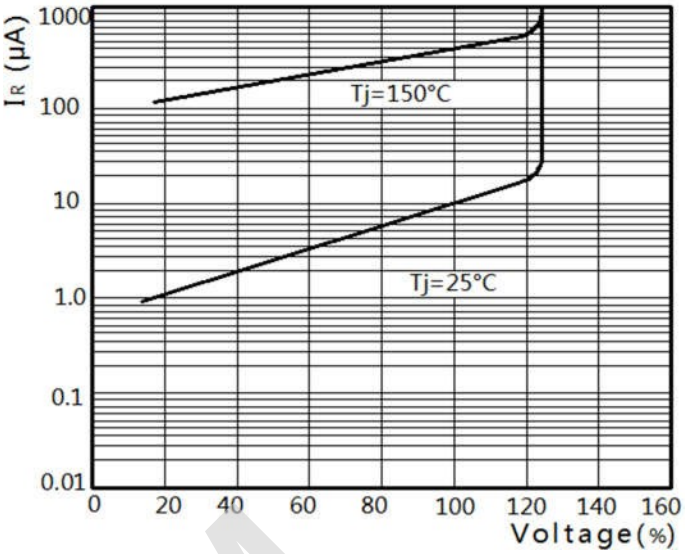


Fig.2

Surge current Vs.cycles

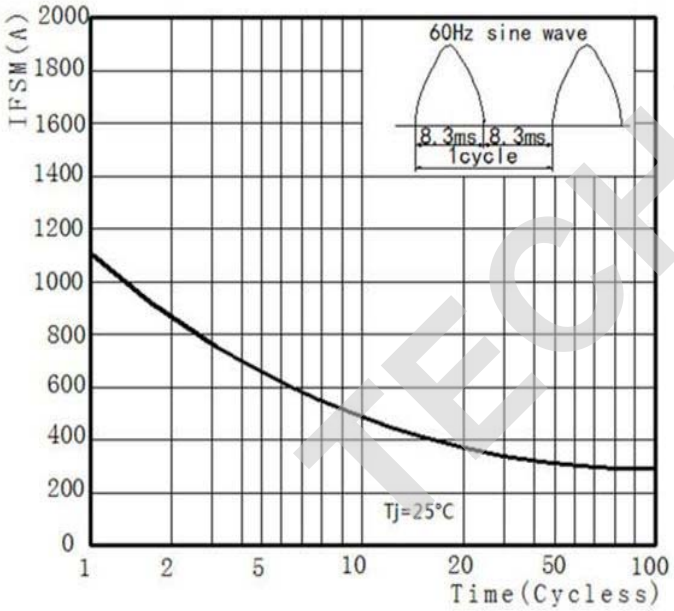


Fig.3

Junction capacitance vs Reverse voltage

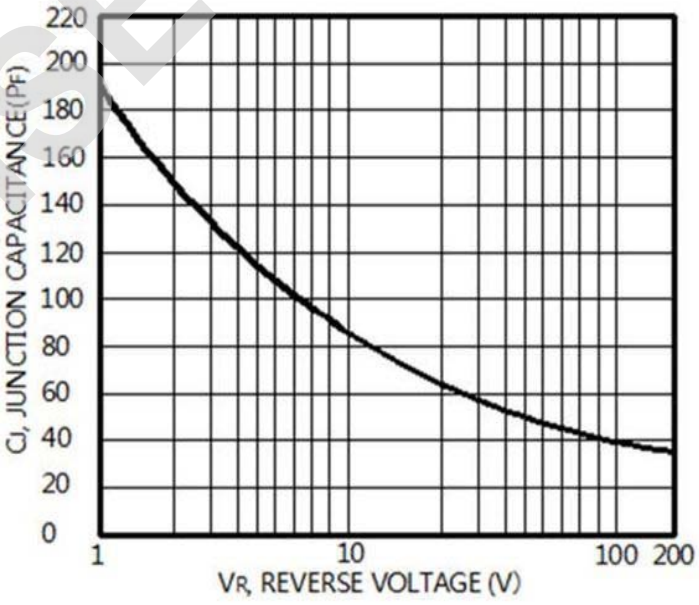
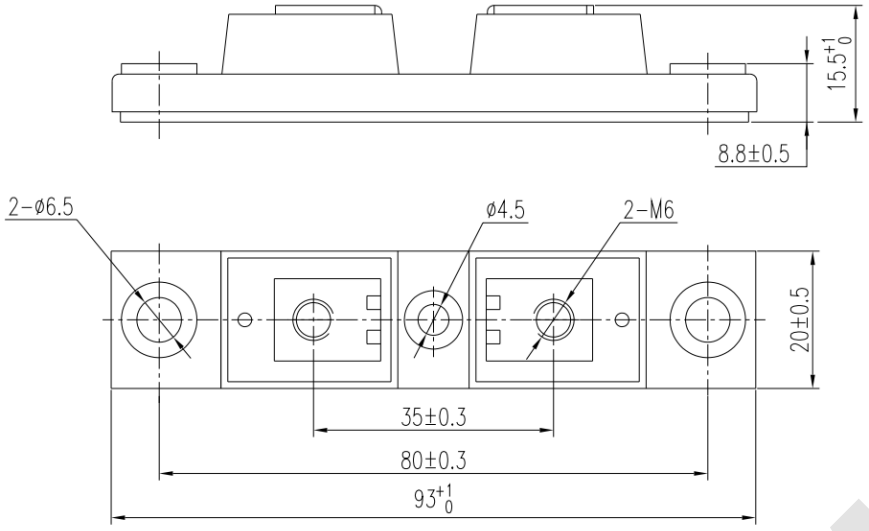
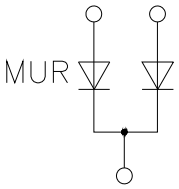


Fig.4

Outline:





Unmarked dimensional tolerance：±0.5mm