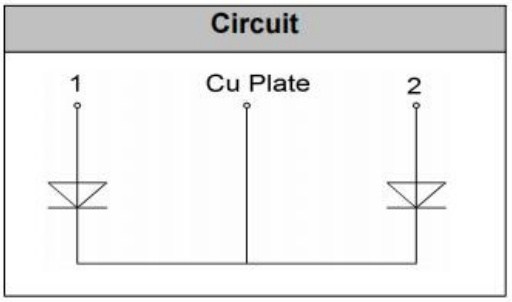


Schottky Rectifier Modules

VRRM 60V
IFAV 400 A



Applications

- Inversion Welder
- Plating Power Supply
- Gemeral Power Supply
- Ultrasonic Cleaner and Welder
- Converter & Chopper

Features

- Low Reverse Recovery Loss
- Low Forward Voltage
- High Surge Current Capability

Maximum Ratings

Symbol	Conditions	Values	Units
V_R		60	V
I_{FAV}	T_C=105°C, Per Leg	200	A
	T_C=105°C, Per Module	400	A
I_{FSM}	t=10ms T_J=25℃	3000	A
I^2t	t=10ms T_J=25℃	45000	A^2s
T_J		-40 to +150	℃
Tstg		-40 to +125	℃
Mt	To Terminals(M6)	5±15%	N·m
Ms	To Heatsink(M6)	5±15%	N·m
Weight		70	g

Thermal Characteristics

Symbol	Conditions	Values	Units
Rth(j-c)	Junction to Case(Per Leg)	0.3	℃/W

Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
I_{RM}	V_R=V_{RRM}	--	--	1	mA
	V_R=V_{RRM}, T_J=125°C	--	--	10	mA
V_F	I_F=200A	--	--	0.85	V
	I_F=200A, T_J=125°C	--	--	0.75	V
r_F	T_J=125℃		1.0		mΩ
VF0			0.55		V

Performance Curves

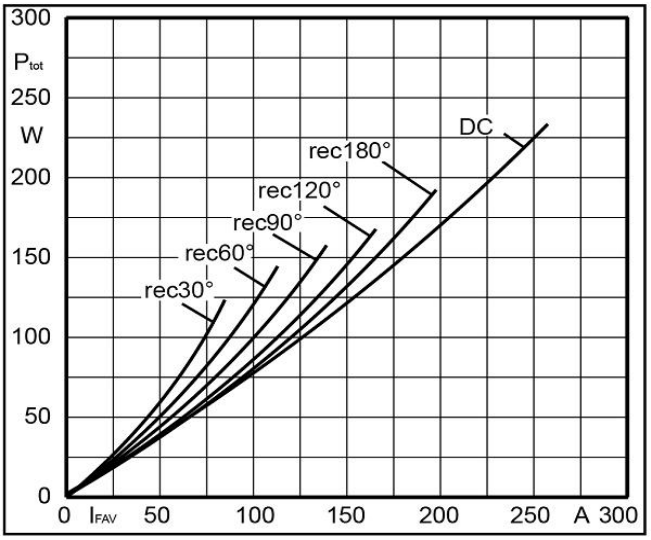


Fig1. Power dissipation

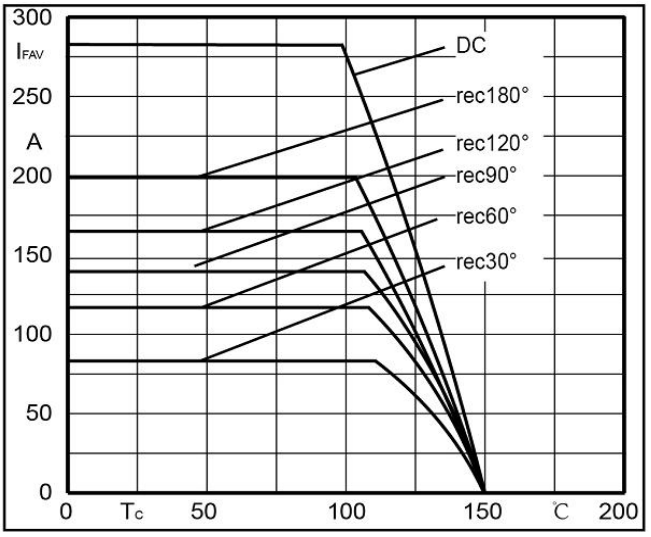


Fig2.Forward Current Derating Curve

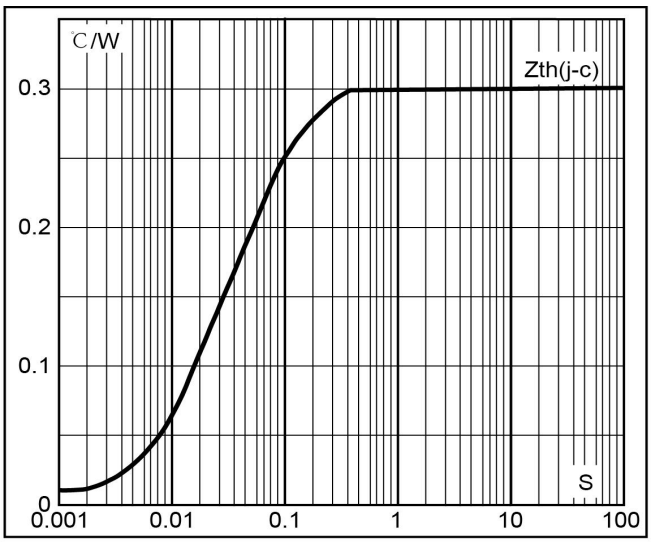


Fig3. Transient thermal impedance

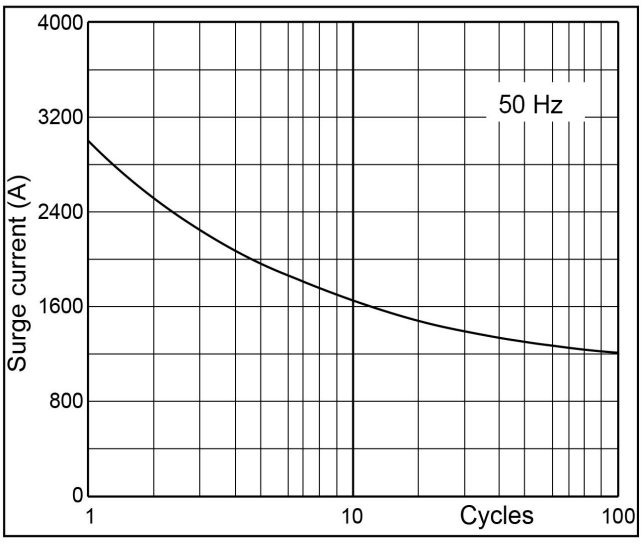


Fig4. Max Non-Repetitive Forward Surge Current

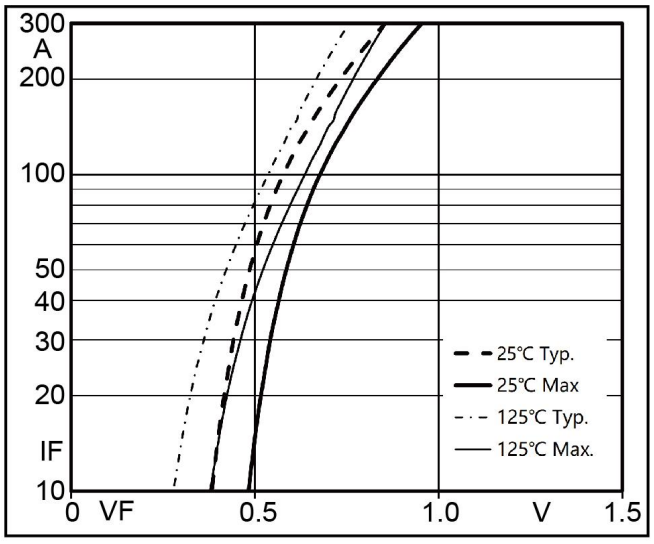
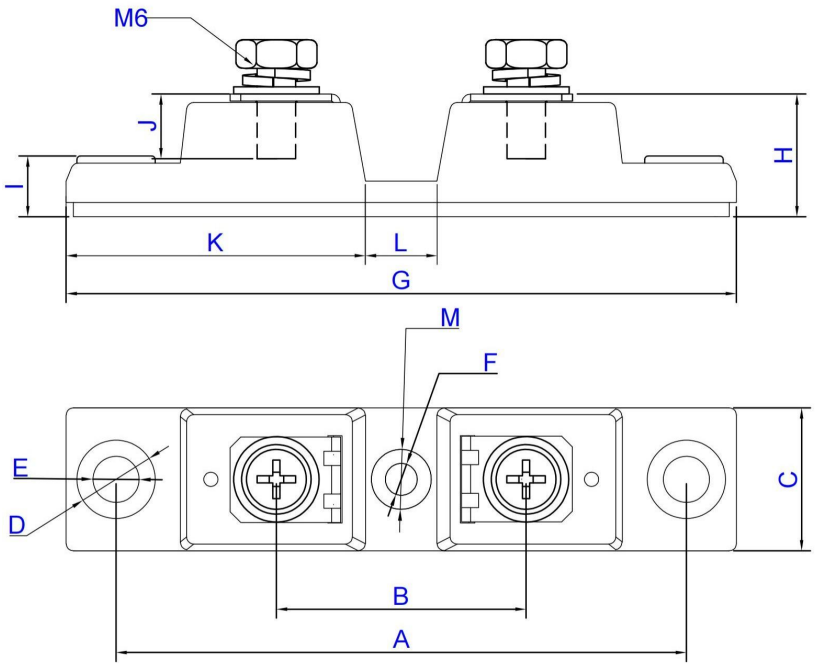


Fig5. Forward Characteristics

Package Outline Information

CASE: F4N



DIM	Min (mm)	Max (mm)	Note
A	79.5	80.5	
B	34.5	35.5	
C	19.5	20.5	
D	10.5	11.5	Ø
E	6	7	Ø
F	4	5	Ø
G	93	94	
H	16.5	17.5	
I	8	9	
J	8.5	9.5	
K	41.5	42.5	
L	9.5	10.5	
M	8.1	8.7	Ø

Packing Standard

Item	Length: A(mm)	Width: B(mm)	Height: C (mm)	Quantity (PCS)
Inner Box	276	258	40	12
Outer Carton	545	295	240	144

Notice

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