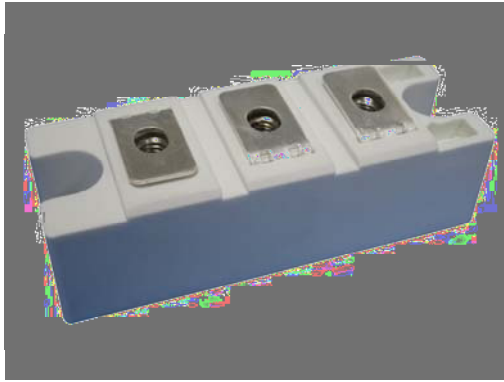




FRED Modules

V_{RRM} 1200V

I_{FAV} 200 A

Applications

y Inversion Welder

y

Maximum Ratings

Symbol	Conditions	Values	Units
V_R		1200	V
V_{RRM}		1200	V
$I_{F(AV)}$	$T_C=110^{\circ}\text{C}$, Per Diode	200	A
$I_{F(RMS)}$	$T_C=110^{\circ}\text{C}$, Per Diode	280	A
I_{FSM}	1/2 Cycle , 50Hz, Sine	1800	A
	1/2 Cycle , 60Hz, Sine	1950	A
I^2t	$T_J=45^{\circ}\text{C}$, $t=10\text{ms}$, 50Hz, Sine	16200	A^2s
	$T_J=45^{\circ}\text{C}$, $t=8.3\text{ms}$, 60Hz, Sine	19000	A^2s
P_D		920	W
Visol	AC, $T_{on}=1\text{min}$	3000	V
T_J		-40 to +150	$^{\circ}\text{C}$
T_{STG}		-40 to +125	$^{\circ}\text{C}$
Torque	RecommendedHM6H	4.5	N·m
Torque	RecommendedHM6H	4.5	N·m
Weight		160	g

Thermal Characteristics

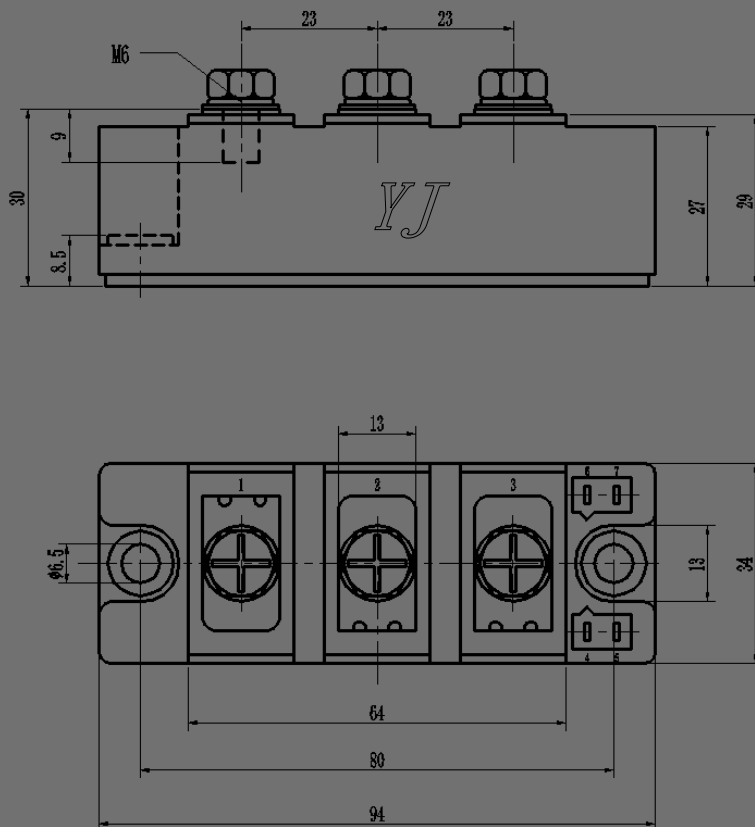
Symbol	Conditions	Values	Units
$R_{th(j-c)}$	Junction-to-Case	0.22	/W





Package Outline Information

CASE: F2



Dimensions in mm