



FRED Modules

V_{RRM} 600V

I_{FAV} 400 A

Applications

Inversion Welder
400A

Maximum Ratings

Symbol	Conditions	Values	Units
V _R		600	V
V _{RRM}		600	V
I _{F(AV)}	T _C =125°C, Per Diode	200	A
	T _C =125°C, Per Module	400	A
I _{F(RMS)}	T _C =125°C, Per Diode	295	A
I _{FSM}	1/2 Cycle , 50Hz, Sine	3500	A
	1/2 Cycle , 60Hz, Sine	4000	A
I ² t	T _J =45°C, t=10ms, 50Hz, Sine	61250	A ² s
	T _J =45°C, t=8.3ms, 60Hz, Sine	80000	A ² s
P _D		2080	W
T _J		-40 to +150	°C
T _{STG}		-40 to +125	°C
Torque	Recommended M6	3 4.7	N·m
Torque	Recommended M6	3 4.7	N·m
Weight		92	g

Thermal Characteristics

Symbol	Conditions	Values	Units
R _{th(j-c)}	Per diode	0.06	/W



MF400K06F3

