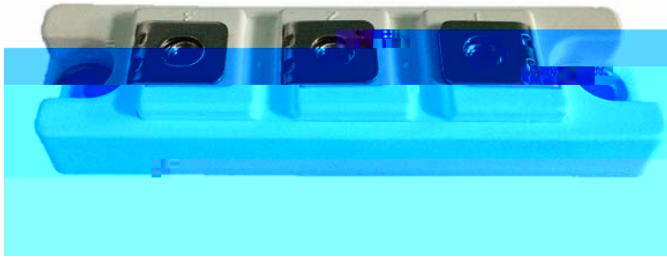


FRED Modules



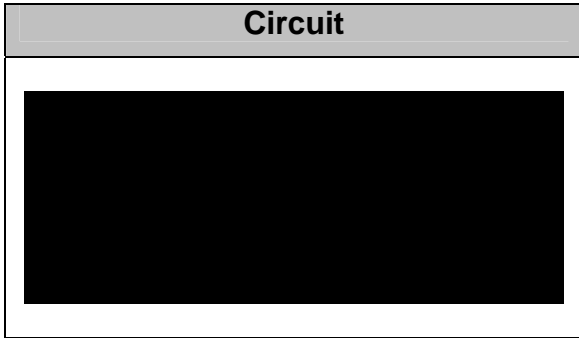
V_{RRM} 1200V
I_{FAV} 200 A

Applications

Inversion Welder
 Uninterruptible Power Supply (UPS)
 Plating Power Supply
 Ultrasonic Cleaner and Welder
 Power Factor Correction (PFC) Circuit
 Converter & Chopper

Features

Soft Reverse Recovery Characteristics
 Ultrafast Reverse Recovery Time
 Low Reverse Recovery Loss
 Low Forward Voltage
 High Surge Current Capability
 Low Inductance Package



Maximum Ratings

Symbol	Conditions	Values	Units
V_R		1200	V
V_{RRM}		1200	V
$I_{F(AV)}$	$T_C=110^{\circ}C$, Per Diode	200	A
$I_{F(RMS)}$	$T_C=110^{\circ}C$, Per Diode	280	A
I_{FSM}	1/2 Cycle , 50Hz, Sine	1800	A
	1/2 Cycle , 60Hz, Sine	1950	A
I^2t	$T_J=45^{\circ}C$, t=10ms, 50Hz, Sine	16200	A^2s
	$T_J=45^{\circ}C$, t=8.3ms, 60Hz, Sine	19000	A^2s
P_D		568	W
Visol	AC, Ton=1min	3000	V
T_J		-40 to +150	$^{\circ}C$
T_{STG}		-40 to +125	$^{\circ}C$
Torque	Recommended M6	4.5	N·m
Torque	Recommended M6	4.5	N·m

			hfs
$R_{th(j-c)}$	Junction-to-Case	0.2	/W

