

## Features

- Current:5-300A,Voltage:100-1600V
- All models feature the same compact dimensions to Provide auniform mounting pitch
- Glass passivated diode chip
- Excellent power/volume ratio,High thermal conductivity Package, electrically insulated case

$I_{F(AV)}$	5-50A
$V_{RRM}$	100-1600V
$V_F$	1.1V
$I_{FSM}$	175A

## Typical Applications

- Eliminator supply,industrial automatic control
- Numierial-controlled machinery,telecontrol system

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	VALUE		UNIT
			Min	Max	
$I_{F(AV)}$	Mean forward current	180 ° sine wave, 50HZ Double side cooled, THS=55°C	5	50	A
$V_{RRM}$	Repetitive peak reverse voltage	$V_{DRM}&V_{RRM} tp=10ms$ $V_{DSM}&V_{RSM}=V_{DRM}&V_{RRM}+100V$	100	1600	V
$V_{RMS}$	RMS current		70	860	V
$V_{DC}$	DC blocking voltage		100	1600	V
$I_{FSM}$	Surge on-state current	sine wave		175	A
$V_F$	Diode forward voltage	$I_F=17.5A$		1.1	V
$I_R$	Reverse leakage current	$T_a=25^\circ C$		10	uA
$I_{R(H)}$		$T_a=100^\circ C$		200	uA
$R_{th(j-c)}$	Thermal impedance node to the shell	180 ° sine wave, single heat sink		5.0	°C/W
$R_{th(c-a)}$	Thermal impedance ( shell to powder)	180 ° sine wave, single heat sink		8	°C/W
$V_{iso}$	Insulation voltage		2500		V
$T_J$	Stored temperature		-40	125	°C
$T_{stq}$	Stored temperature		-40	150	°C
$W_t$	Weight			47	g
Outline					

Outline:

Product picture:

