Three Phase Diode Bridges
SQL5-SQL50

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

V_{RRM} = 100-1600 V
I_D = 5-50 A
V_F = 1.1 V
I_{FSM} = 175 A

Typical Applications

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

SYMBOL	CHARCTERISTIC	TEST CONDITIONS	VALUE		UNIT
			Min	Max	
$I_{F(AV)}$	Mean forward current	180 ° sine wave，50HZ Double side cooled，THS=55℃	5	50	A
V_{RRM}	Repettive 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℃		10	uA
$I_{R(H)}$		T_a=100℃		200	uA
$R_{th(j-c)}$	Thermal impedance node to the shell	180 ° sine wave, single heat sink		5.0	℃/W
$R_{th(c-a)}$	Thermal impedance (shell to powder)	180 ° sine wave, single heat sink		8	℃/W
V_{iso}	Insulantion voltage		2500		V
T_J	Stored temperature		-40	125	℃
T_{stq}	Stored temperature		-40	150	℃
W_t	Weight			47	g