



# Three Phase Diode Bridges SQL150-SQL250



## Features

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

$$V_{RRM} = 100-1600 V$$

$$I_D = 150-250 A$$

$$V_F = 1.1 V$$

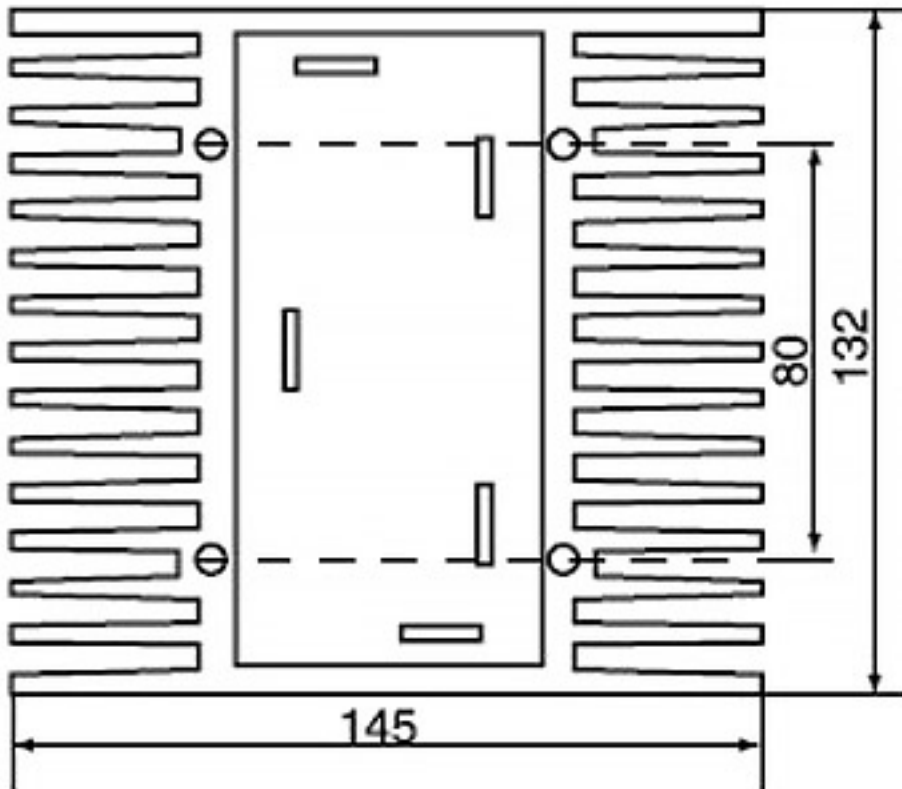
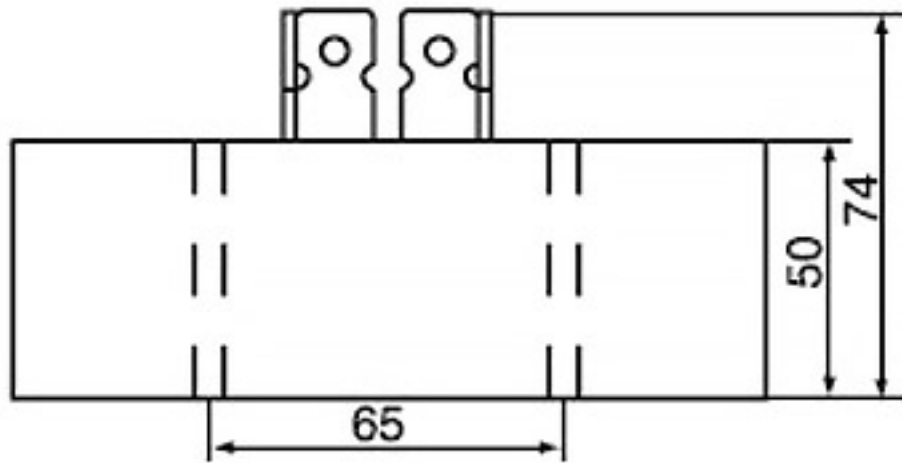
$$I_{FSM} = 400 A$$

## Typical Applications

- Eliminator supply, industrial automatic control
- Numerical-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	150	250	A
$V_{RRM}$	Repetitive peak reverse voltage	$V_{DRM} \& V_{RRM} t_p=10ms$ $V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+100V$	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		400	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			1200	g

### DIMENSIONS



### TOPOLOGY OF INTERNAL CONNECTION

