SKD 210



SEMIPONT® 4

Power Bridge Rectifiers

SKD 210

Features

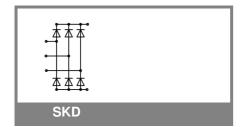
- Robust plastic case with screw terminals
- Large, isolated base plate
- Blocking voltage up to 1800 V
- High surge currents
- Three phase brige rectifier
- · Easy chassis mounting
- UL recognition applied for file no. E 63 532

Typical Applications*

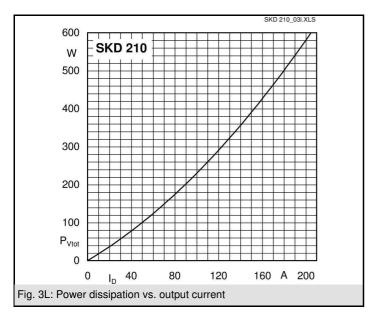
- Three phase rectifiers for power supplies
- Input rectifiers for variable frequency drives
- Rectifiers for DC motor field supplies
- · Battery charger rectifiers
- Max. output current limited by the terminals: 220A rms

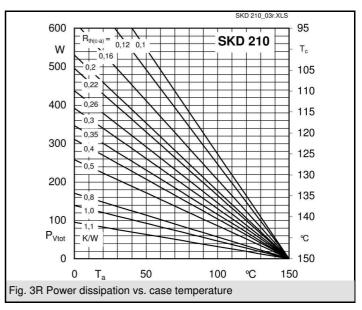
V _{RSM}	V_{RRM}, V_{DRM}	I _D = 210 A (full conduction)
V	V	(T _c = 99 °C)
900	800	SKD 210/08
1300	1200	SKD 210/12
1700	1600	SKD 210/16
1900	1800	SKD 210/18

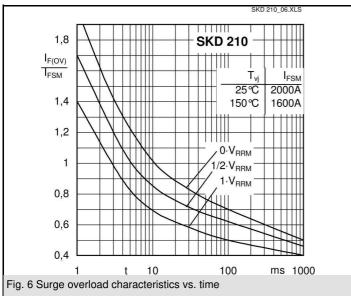
Symbol	Conditions	Values	Units
I _D	T _c = 100 °C	207	Α
I_D	T _C = 95 °C	220 ¹⁾	Α
I _{FSM}	T _{vi} = 25 °C; 10 ms	2000	Α
	T _{vi} = 150 °C; 10 ms	1600	Α
i²t	T _{vj} = 25 °C; 8,3 10 ms	20000	A²s
	T _{vj} = 150 °C; 8,3 10 ms	12800	A²s
V _F	T _{vi} = 25 °C; I _F = 300 A	max. 1,65	V
V _(TO)	T _{vi} = 150 °C	max. 0,85	V
r _T	T _{vi} = 150 °C	max. 3	mΩ
I _{RD}	T_{vj} = 25 °C; $V_{DD} = V_{DRM}$; $V_{RD} = V_{RRM}$	max. 0,5	mA
· ·	T_{vj}^{g} = 150 °C, V_{RD} = V_{RRM}	6	mA
$R_{th(j-c)}$	per diode	0,5	K/W
	total	0,083	K/W
$R_{th(c-s)}$	total	0,03	K/W
T _{vi}		- 40 + 150	°C
T _{stg}		- 40 + 125	°C
V _{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3600 (3000)	V
M _s	to heatsink	5 ± 15 %	Nm
M_t	to terminals	5 ± 15 %	Nm
m		270	g
Case		G 37	

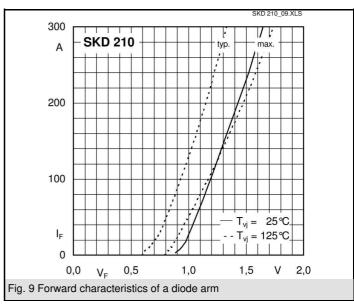


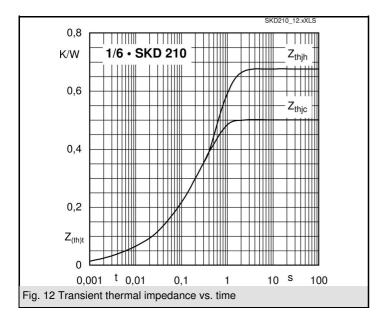
SKD 210

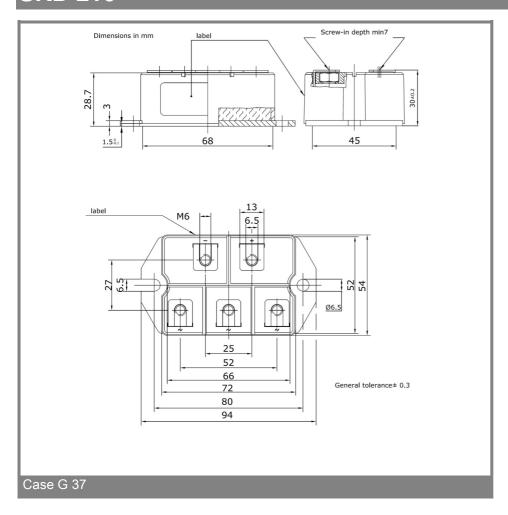












This is an electrostatic discharge sensitive device (ESDS), international standard IEC 60747-1, chapter IX.

*IMPORTANT INFORMATION AND WARNINGS

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