SKKE 600

SEMIPACK® 4

Rectifier Diode Modules

SKKE 600

Features

- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precisious metal pressure contacts for high reliability
- UL recognized, file no. E 63 532

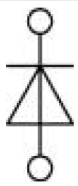
Typical Applications

- Rectifiers

1) The screws must be lubricated

V_{RSM} V	V_{RRM} V	I_{FRMS} = 930 A (maximum value for continuous operation) I_{FAV} = 600 A (sin. 180; T_c = 100 °C)		
1200	1200	SKKE 600/12		
1600	1600	SKKE 600/16		
2000	2000	SKKE 600/20H4		
2200	2200	SKKE 600/22H4		

Symbol	Conditions	Values	Units
I_{FAV}	sin. 180; T_c = 100 °C	600	A
I_{FSM}	T_{vj} = 25 °C; 10 ms	22000	A
	T_{vj} = 150 °C; 10 ms	18000	A
i²t	T_{vj} = 25 °C; 8,3 ... 10 ms	2420000	A²s
	T_{vj} = 150 °C; 8,3 ... 10 ms	1805000	A²s
V_F	T_{vj} = 25 °C; I_F = 3000 A	max. 1,5	V
$V_{(TO)}$	T_{vj} = 150 °C	max. 0,75	V
r_T	T_{vj} = 150 °C	max. 0,25	mΩ
I_{RD}	T_{vj} = 150 °C; V_{RD} = V_{RRM}	max. 20	mA
$R_{th(j-c)}$	cont.; per diode = per module	0,07	K/W
	sin. 180; per diode = per module	0,075	K/W
$R_{th(c-s)}$	per diode = per module	0,02	K/W
T_{vj}		- 40 ... + 150	°C
T_{stg}		- 40 ... + 130	°C
V_{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3600 / 3000	V~
V_{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min. for SKKE...H4	4800 / 4000	V~
M_s	to heatsink	5 ± 15%	Nm
M_t	to terminals	17 ± 15 % 1)	Nm
a		5 * 9,81	m/s²
m	approx.	940	g
Case		A 42	



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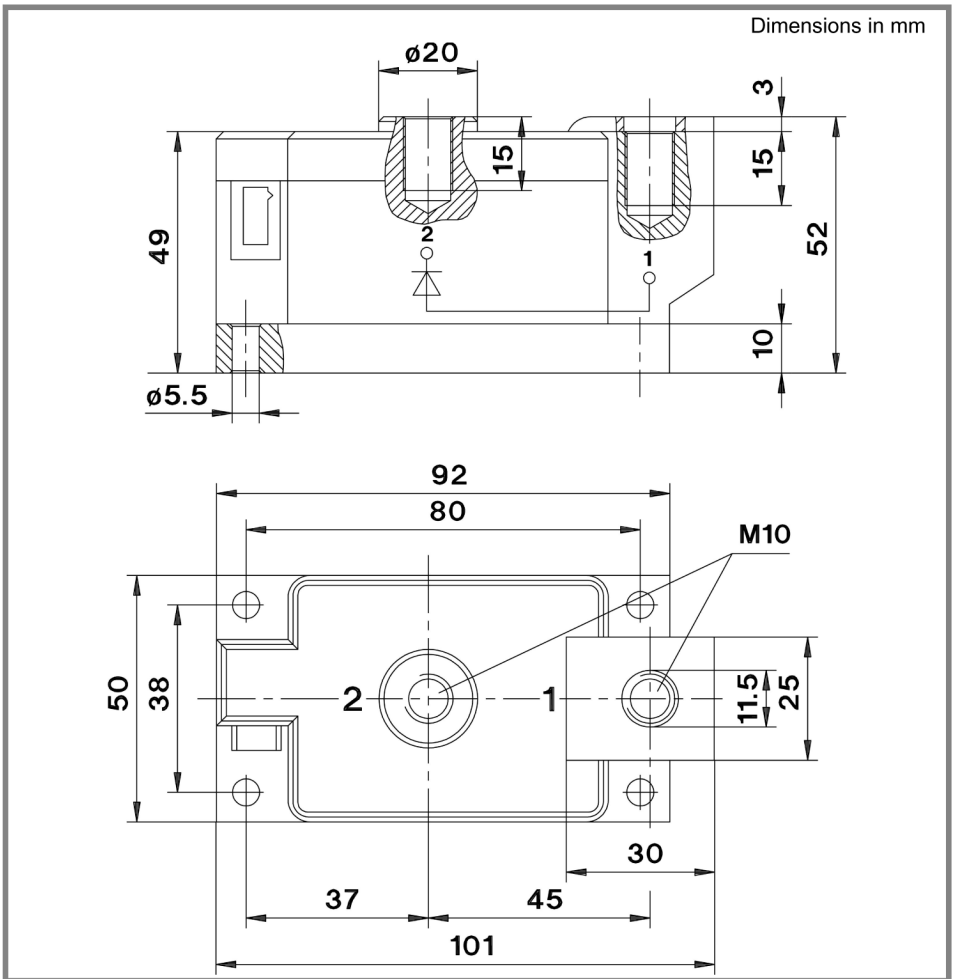

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