

# SKKE 1200



**SEMIPACK® 6**

## Rectifier Diode Modules

### SKKE 1200

#### Target Data

#### Features

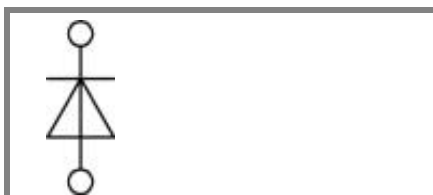
- Precise metal pressure contacts for high reliability

#### Typical Applications

- Rectifiers

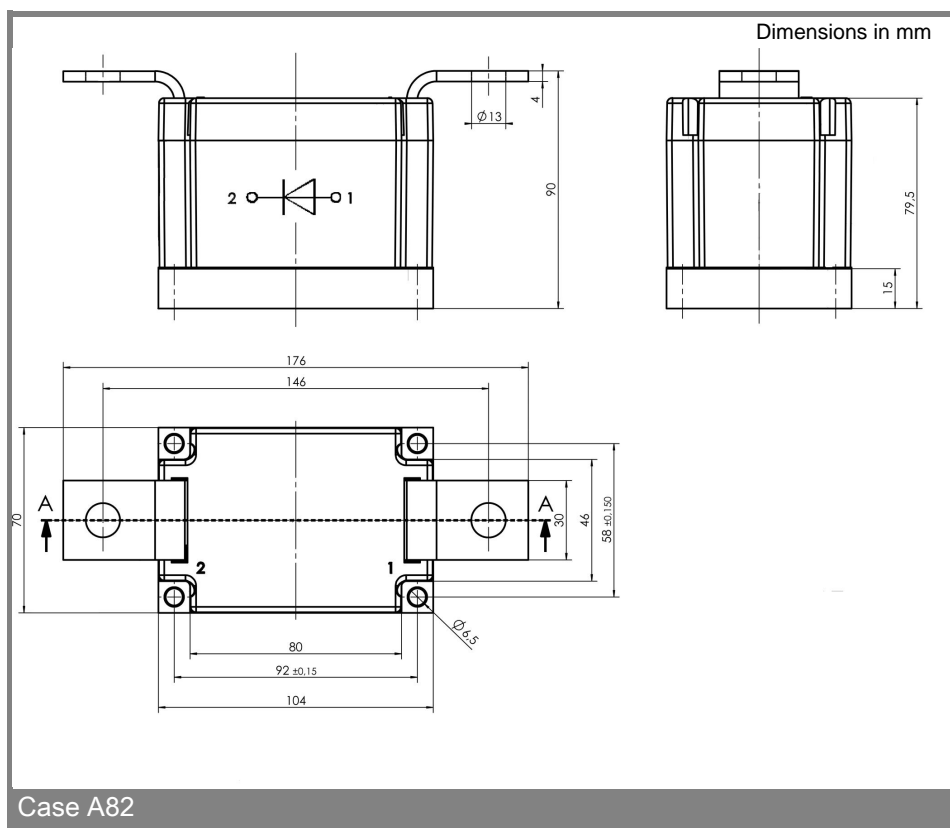
$V_{RSM}$ V	$V_{RRM}$ V	$I_{FRMS} = 2000$ A (maximum value for continuous operation) $I_{FAV} = 1180$ A (sin. 180; $T_c = 100$ °C)	
1900	1800	SKKE 1200/18 H4	
2300	2200	SKKE 1200/22 H4	

Symbol	Conditions	Values	Units
$I_{FAV}$	sin. 180; $T_c = 100$ °C	1180	A
$I_{FSM}$	$T_{vj} = 25$ °C; 10 ms	45000	A
	$T_{vj} = 160$ °C; 10 ms	40000	A
$i^2t$	$T_{vj} = 25$ °C; 8,3 ... 10 ms	10125000	A <sup>2</sup> s
	$T_{vj} = 160$ °C; 8,3 ... 10 ms	8000000	A <sup>2</sup> s
$V_F$	$T_{vj} = 25$ °C; $I_F = 3000$ A	max. 1,4	V
$V_{(TO)}$	$T_{vj} = 160$ °C	max. 0,75	V
$r_T$	$T_{vj} = 160$ °C	max. 0,17	mΩ
$I_{RD}$	$T_{vj} = 160$ °C; $V_{RD} = V_{RRM}$	max. 60	mA
$R_{th(j-c)}$	cont.	0,0395	K/W
	sin. 180	0,041	K/W
$R_{th(c-s)}$		0,01	K/W
$T_{vj}$		- 40 ... + 160	°C
$T_{stg}$		- 40 ... + 125	°C
$V_{isol}$	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	4800 / 4000	V~
$M_s$	to heatsink	$6 \pm 15\%$	Nm
$M_t$	to terminals	$18 \pm 15\%$	Nm
$a$		$5 * 9,81$	m/s <sup>2</sup>
$m$	approx.	2150	g
Case		A82	



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