V_{RSM} V_{RRM}	I_{FRMS} (maximum values for continuous operation) 110 A
V	I_{FAV} (sin. 180; T_{case} = 65 °C; 50 Hz) 70 A
1500	**SKKD 60 F 15**
1600	**SKKD 60 F 16**

Symbol	Conditions	SKKD 60 F	Units
I_{FAV}	sin. 180; T_{case} = 85 °C T_{case} = 65 °C	58 70	A A
I_{FSM}	T_{vj} = 25 °C; 10 ms T_{vj} = 150 °C; 10 ms	1 000 900	A A
i^2t	T_{vj} = 25 °C; 8,3...10 ms T_{vj} = 150 °C; 8,3...10 ms	5 000 4 000	A^2 s A^2 s
I_{RM} t_{rr} Q_{rr} I_R	T_{vj} = 25 °C T_{vj} = 150 °C T_{vj} = 25 °C T_{vj} = 150 °C T_{vj} = 25 °C; V_R = V_{RRM} T_{vj} = 125 °C; V_R = V_{RRM}	I_F = 60 A, di/dt=500 A/µs, V_R = 1200 V 50 75 typ. 220 35 0,4 25	A A ns µC mA mA
V_F	T_{vj} = 25 °C; I_F = 100 A	2,7	V
$V_{(TO)}$	T_{vj} = 150 °C	1,5	V
r_T	T_{vj} = 150 °C	9	mΩ
R_{thjc}		0,4	°C/W
R_{thch}		0,05	°C/W
T_{vj}		– 40 ... +150	°C
T_{stg}		– 40 ... +150	°C
V_{isol}	a. c. 50 Hz; r.m.s; 1 min.	4000	V~
M_1	to heatsink SI units US units	5 ± 15 % 44 ± 15 %	Nm lb. in
M_2	to terminals SI units US units	5 ± 15 % 44 ± 15 %	Nm lb. in
w	approx.	250	g
Case		A 23	

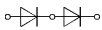
[1] CAL (controlled axial lifetime) technology, patent No. DE 43 10 44

SEMIPACK® 2

Fast Diode [1] Modules

SKKD 60 F

Preliminary data



SKKD

Features

- Heat transfer through ceramic isolated metal baseplate
- Very short recovery times
- Soft recovery
- Low switching losses
- Up to 1600 V peak inverse voltage
- UL recognized, file no. E 63532

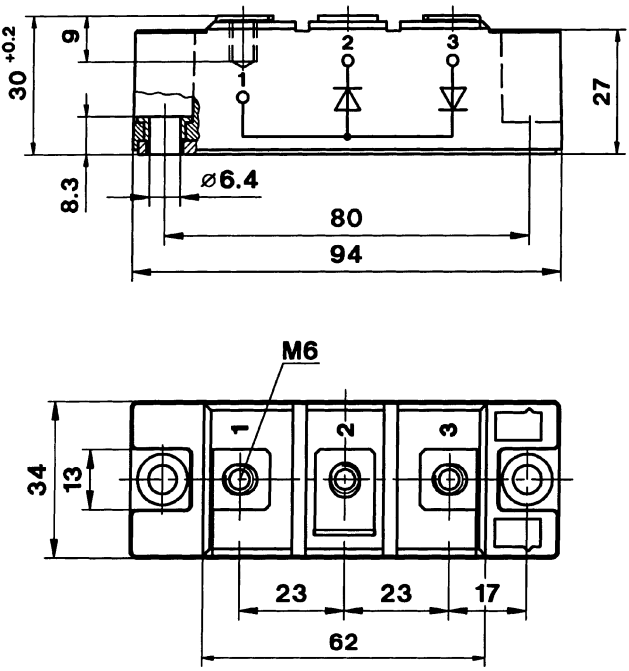
Typical Applications

- Self-commutated inverters
- DC choppers
- AC motor speed control
- Inductive heating
- Uninterruptible power supplies
- Electronic welders
- General power switching applications

SKKD 60 F

Case A 23

SEMIPACK®2



Dimensions in mm

