

## SKKE 600 F

$V_{RSM}$	$I_{FRMS}$ (maximum values for continuous operation) 450 A
$V_{RRM}$	$I_{FAV}$ (sin. 180; $T_{case} = 103^\circ C$ ; 50 Hz) 290 A
V	
1200	<b>SKKE 600 F 12</b>

**SEMIPACK®**  
**Fast Diode 1) Modules****SKKE 600 F****SKKE****Features**

- Heat transfer through aluminium oxide DCB ceramic isolated metal baseplate
- Small recovered charge
- Fast & soft recovery CAL diodes 1)
- UL recognized, file no. E 63 532
- Creepage distance 20 mm
- Clearance 12 mm

**Typical Applications**

- Freewheeling diodes for IGBT
- Freewheeling diode for inductive loads
- Brake choppers
- Inverters and DC choppers
- AC motor control
- Boost choppers
- up to 20 kHz

<sup>1)</sup> CAL (controlled axial lifetime) technology, patent No. DE 43 10 44

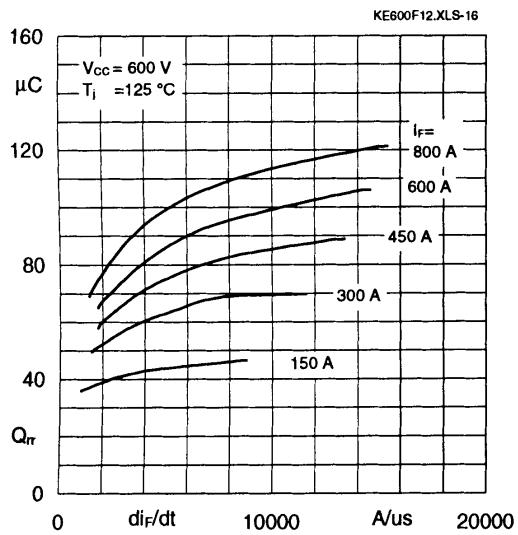


Fig. 16 Typ. recovered charge vs. current decrease

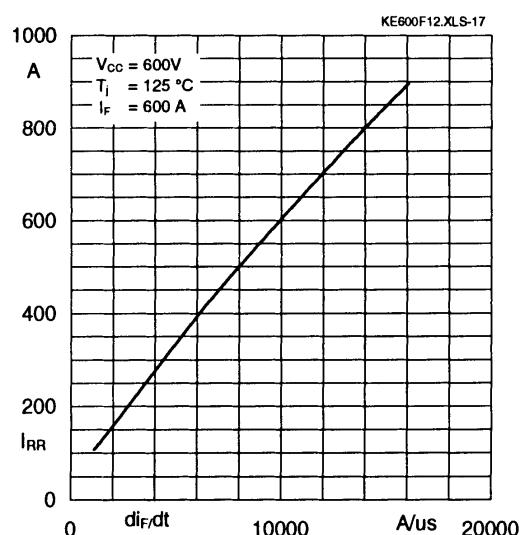


Fig. 17 Typ. peak recovery current vs. current decrease

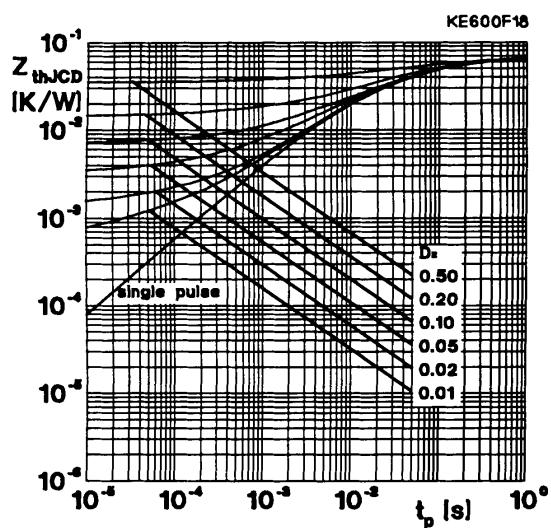


Fig. 18 Transient thermal impedance vs. time

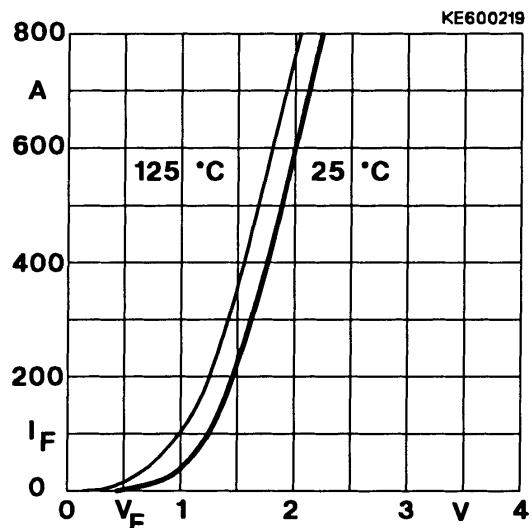


Fig. 19 Typ. forward characteristic

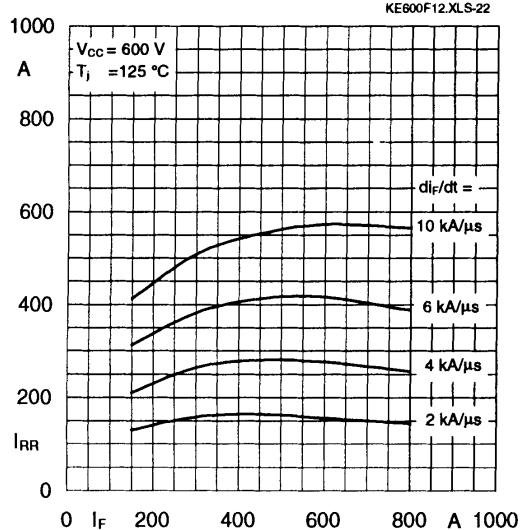


Fig. 22 Typ. peak reverse recovery current  
 $I_{RR} = f(I_F; di/dt)$

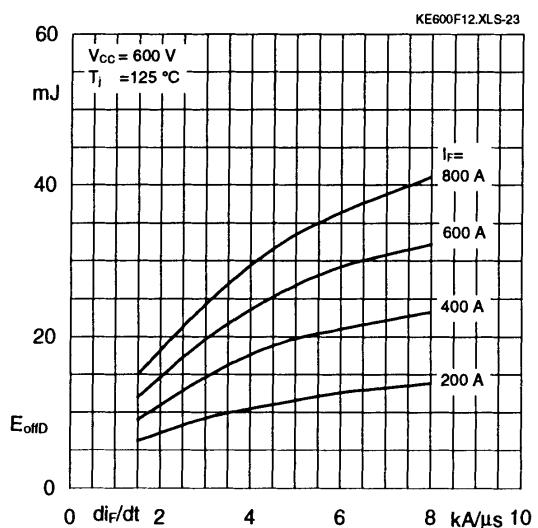


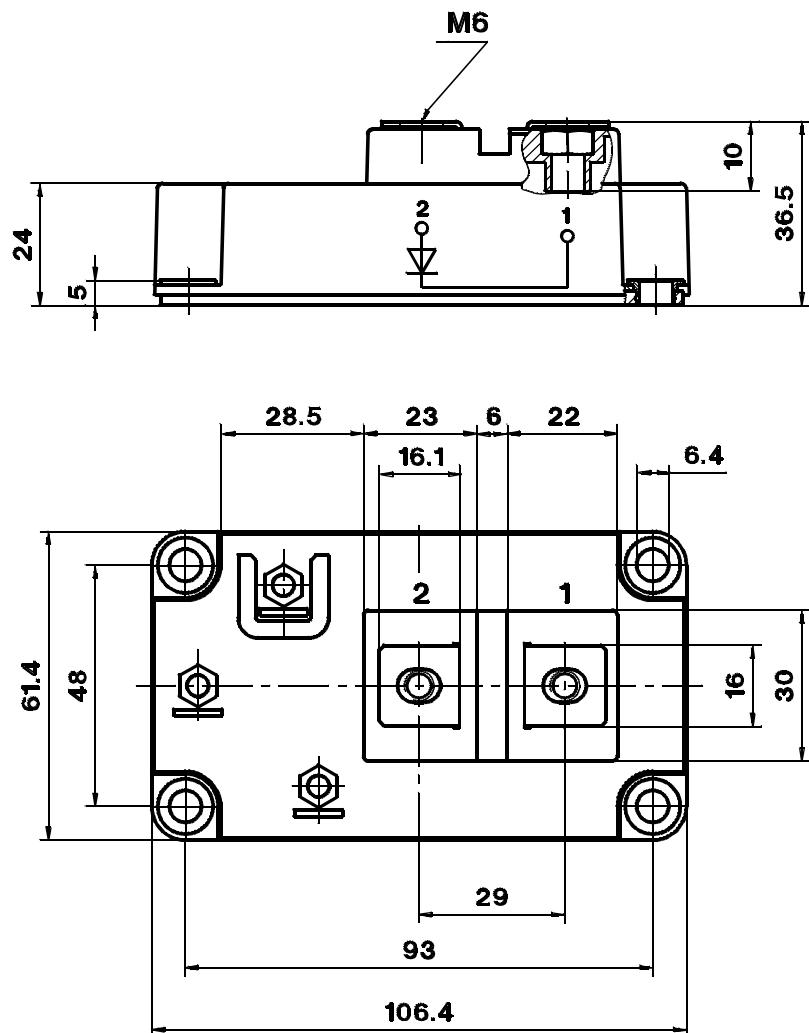
Fig. 23 Typ. turn-off energy dissipation per pulse  
 $(E_{offD} = f(di/dt; I_F))$

**SKKE 330 F**

**SKKE 600 F**

Case A 68

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Dimensions in mm