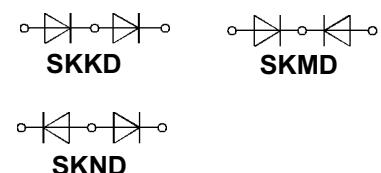


V_{RSM} V_{RRM}	I_{FRMS} (maximum value for continuous operation) 120 A		
	I_{FAV} (sin. 180; $T_{case} = 85^\circ\text{C}$; 50 Hz) 42 A		
1000	SKKD 42 F 10	SKMD 42 F 10	-
1200	SKKD 42 F 12	SKMD 42 F 12	SKND 42 F 12
1400	SKKD 42 F 14	SKMD 42 F 14	SKND 42 F 14
1500	SKKD 42 F 15	SKMD 42 F 15	SKKD 42 F 15

SEMIPACK® 1 Fast Diode Modules

SKKD 42 F
SKMD 42 F
SKND 42 F

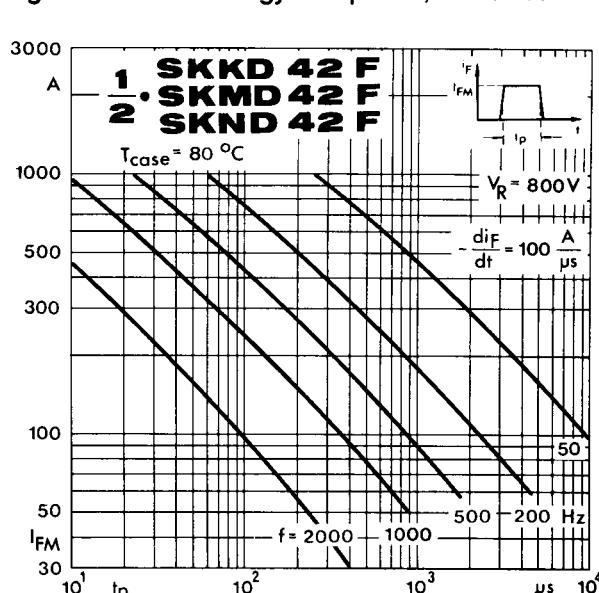
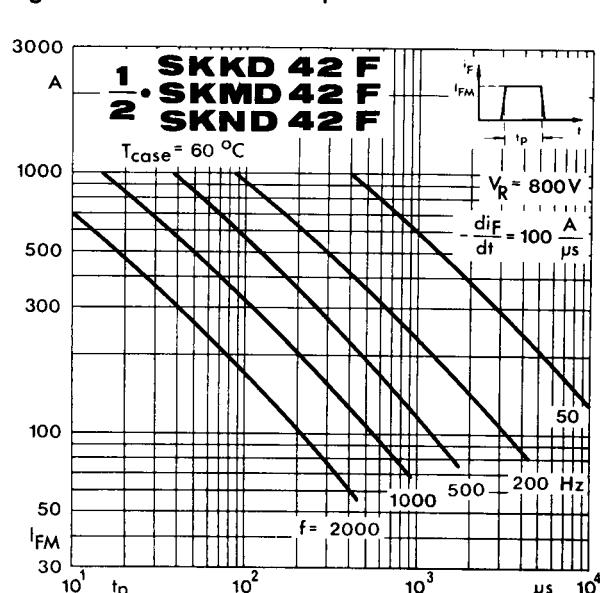
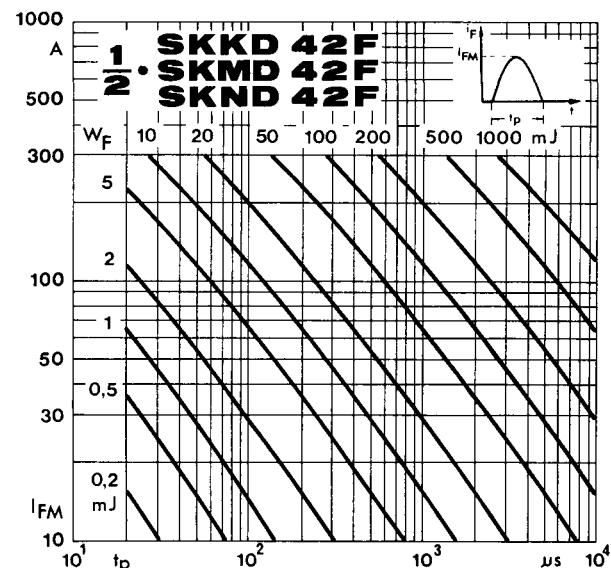
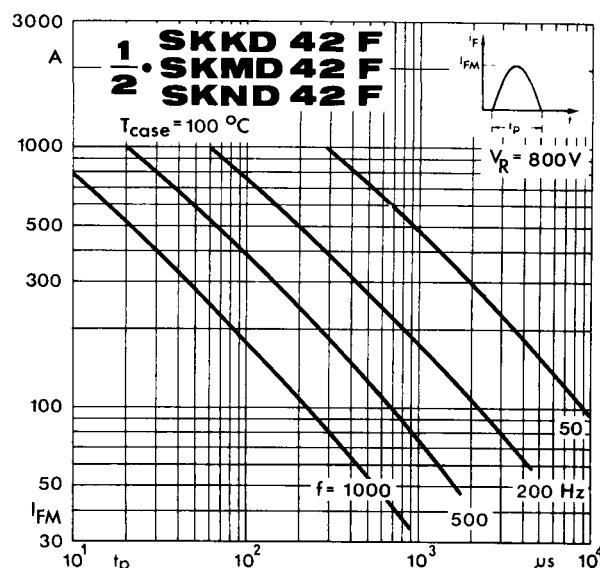
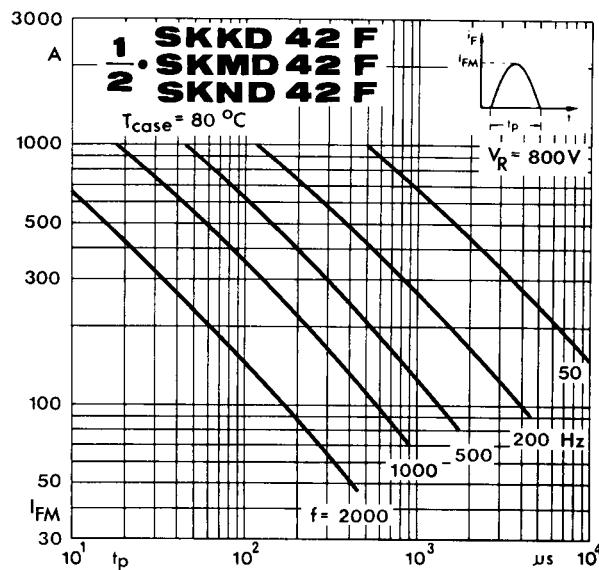
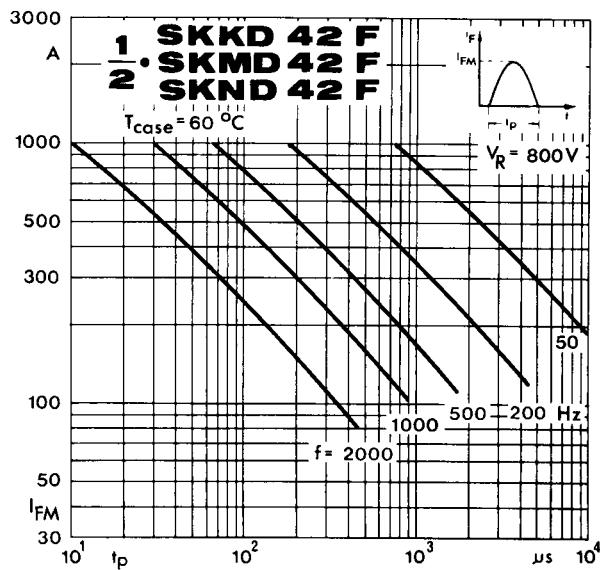


Features

- Heat transfer through ceramic isolated metal baseplate
- Hard soldered joints for high reliability
- **SKKD** half bridge connection centre tap connections:
SKMD common cathode
SKND common anode
- UL recognized, file no. E 63 532

Typical Applications

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



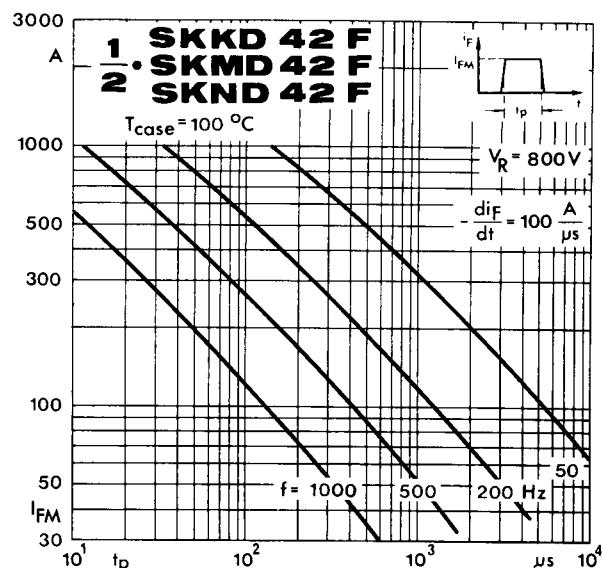


Fig. 14 c Rated rectangular peak forward current

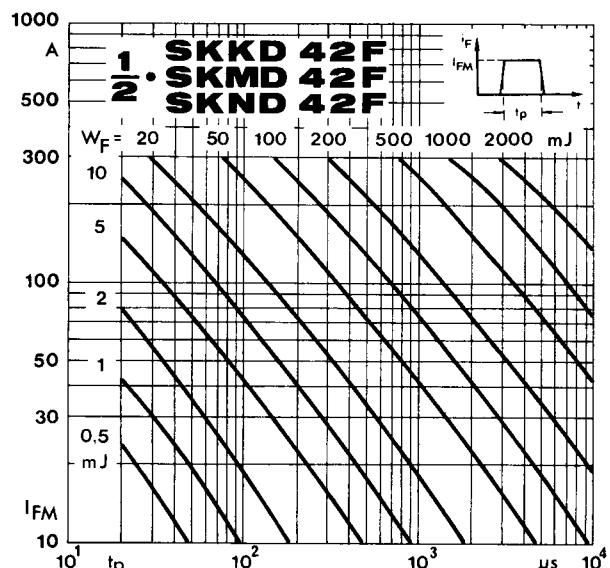


Fig. 15 Forward energy dissipation, rectangular

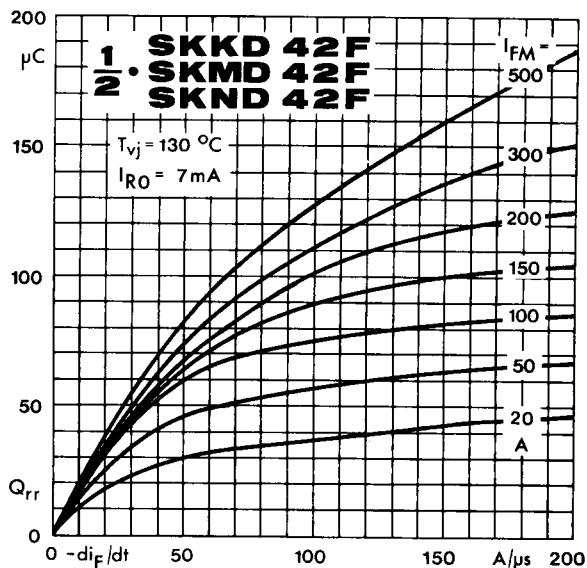


Fig. 16 Recovered charge vs. current decrease

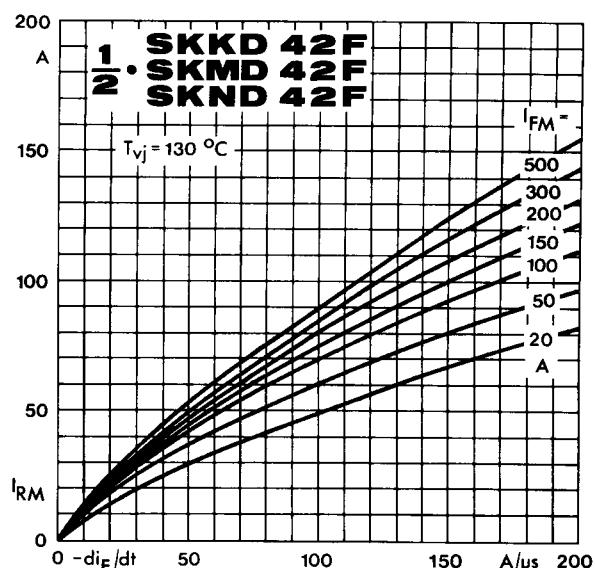


Fig. 17 Peak recovery current vs. current decrease

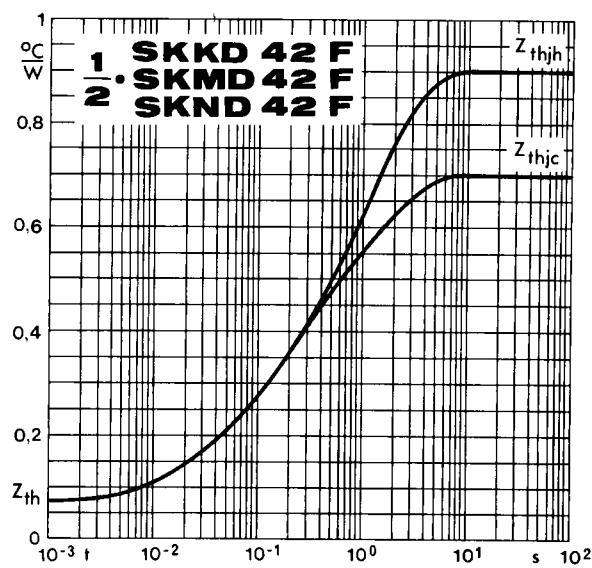


Fig. 18 Transient thermal impedance vs. time

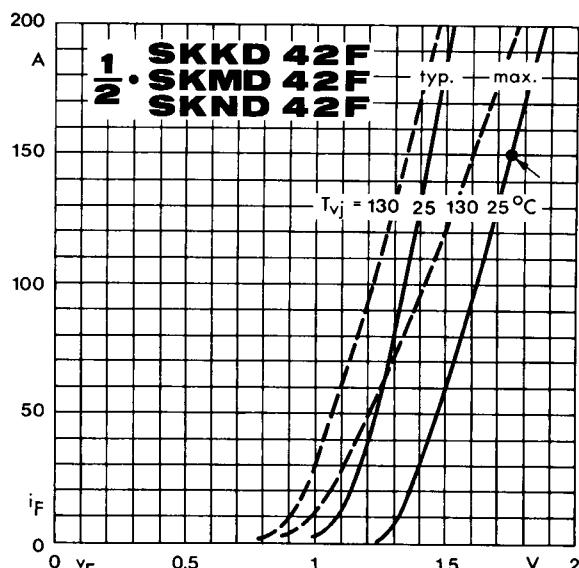


Fig. 19 Forward characteristics

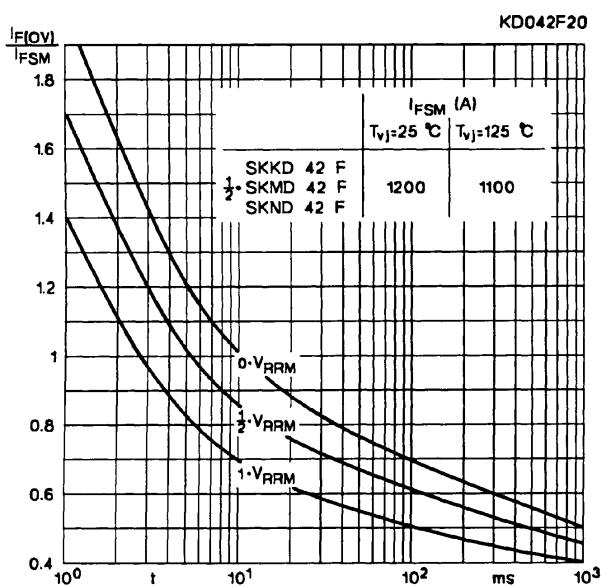


Fig. 20 Surge overload current vs. time

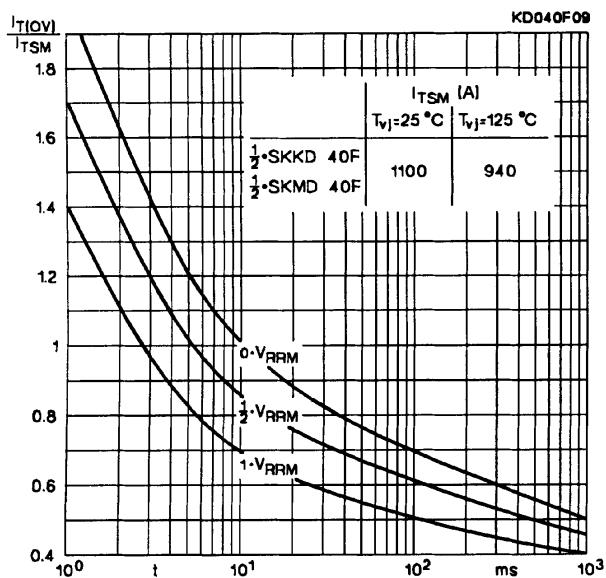


Fig. 20 Surge overload current vs. time

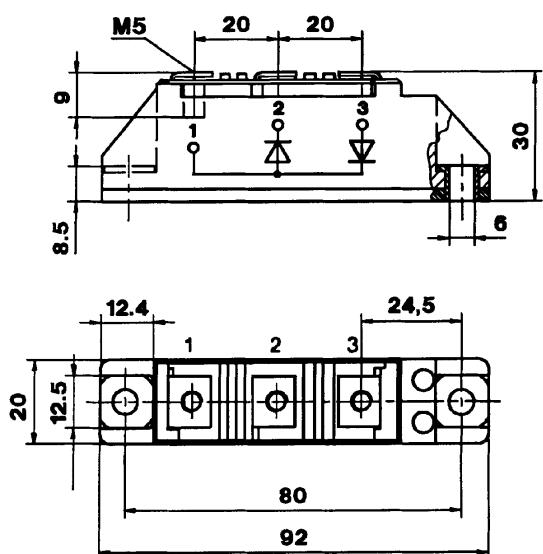
SKKD 40 F, 42 F

Case A 10

IEC 192-2: A 77 A
JEDEC: TO-240 AA

SEMIPACK 1®

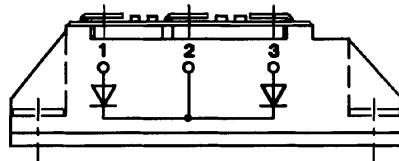
UL recognized, file no. E 63 532



Dimensions in mm

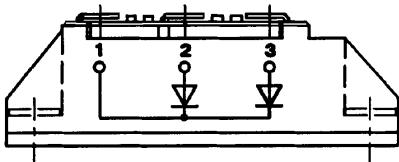
SKMD 40 F

Case A11



SKMD 42 F

Case A 33



SKND 42 F

Case A 37

