

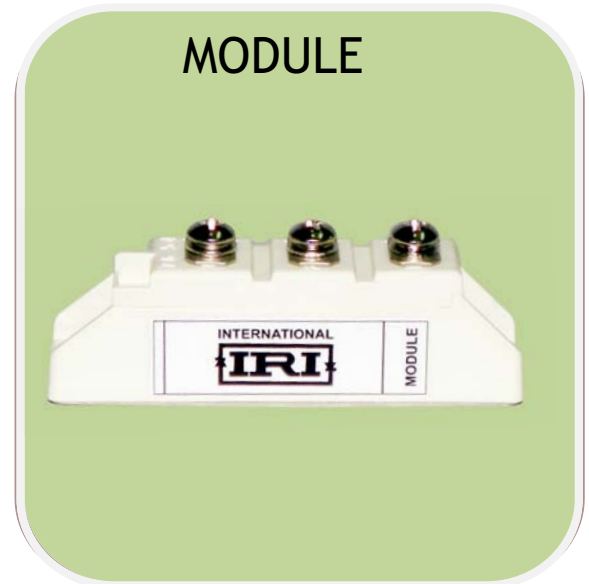
FEATURES

- Heat transfer through ceramic.
- Hard solder joints for high reliability
- Isolated base mounting

TYPICAL APPLICATIONS

- Non-controllable rectifiers for AC-AC converters
- Line rectifiers for transistorized AC motor controllers
- Field supply for DC motor

TECHNICAL DATA



DEVICE TYPE	V _{RRM} (V)	V _{RSM} (V)
IRKD26/12	1200	1300
IRKD26/16	1600	1700
IRKD26/20	2000	2100
IRKD26/22	2200	2300

SYMBOL	CONDITIONS	VALUES
I _{FAV}	Sin. 180; T _{case} = 85°C	31 amp.
I _{FSM} I ² t	Tvj=25°C; 10 ms Tvj=25°C	550 amp. 1500 A ² s
I _{RRM}	Tvj=25°C Tvj=125°C	0.5mA 3 mA
V _F V ₀ R ₀	Tvj=25°C (I _F =75 Amp.); max Tvj=125°C Tvj=125°C	1.35 V 0.85 V 6 mΩ
R _{th(j-c)} R _{th(c-h)} Tvj Tstg	per diode/per module per diode/per module	1/0.5 °C/W 0.20/0.10 °C/W -40 to +125 °C -40 to +125 °C
Mounting torque		5 Nm/Per bolt
Weight	Approx.	95 gms
V _(isol)	Ac 50 Hz rms 1 min	3000 volts
Package Outline		IR-1

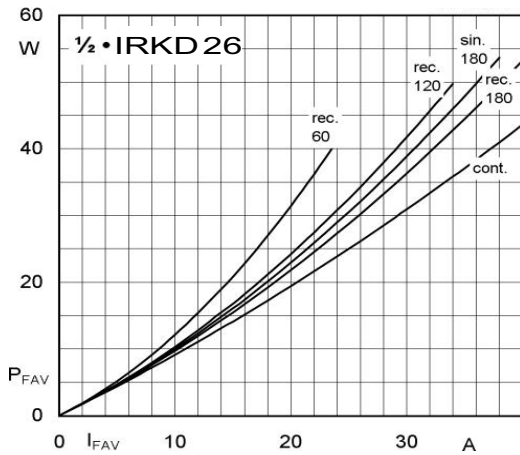


Fig. 11L Power dissipation per diode vs. forward current

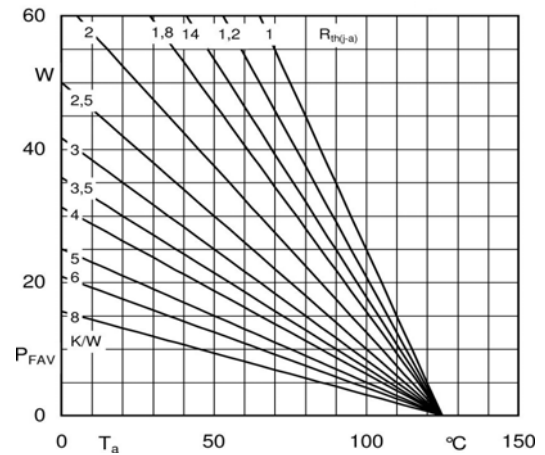


Fig. 11R Power dissipation per diode vs. ambient temperature

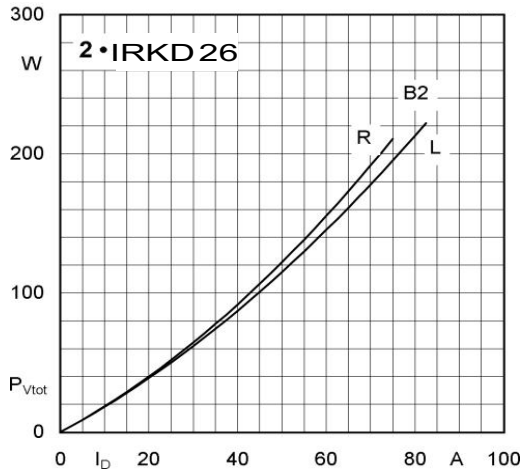


Fig. 12L Power dissipation of two modules vs. direct current

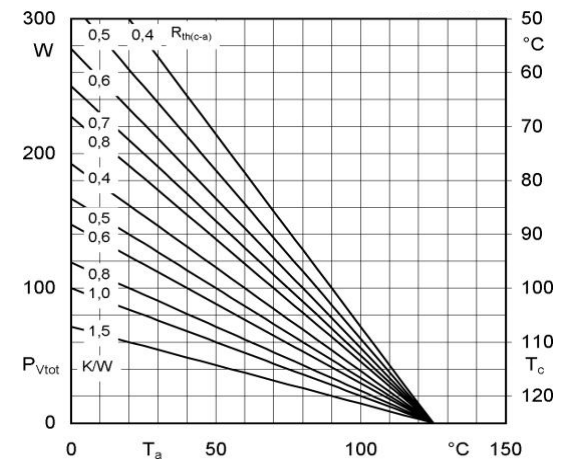


Fig. 12R Power dissipation of two modules vs. case temperature

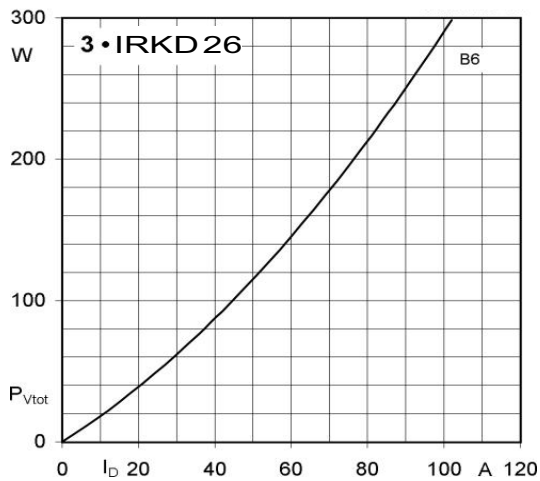


Fig. 13L Power dissipation of three modules vs. direct current

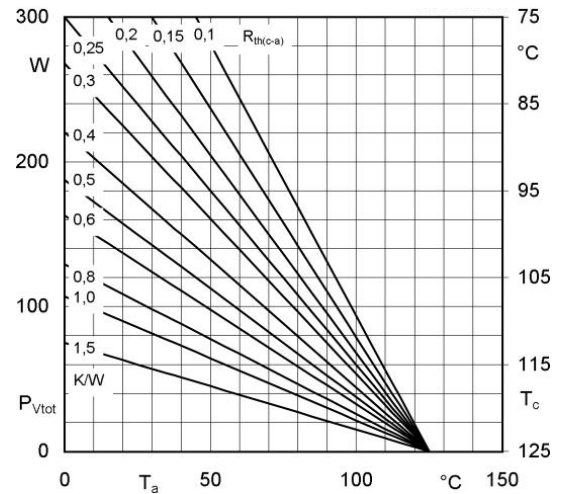
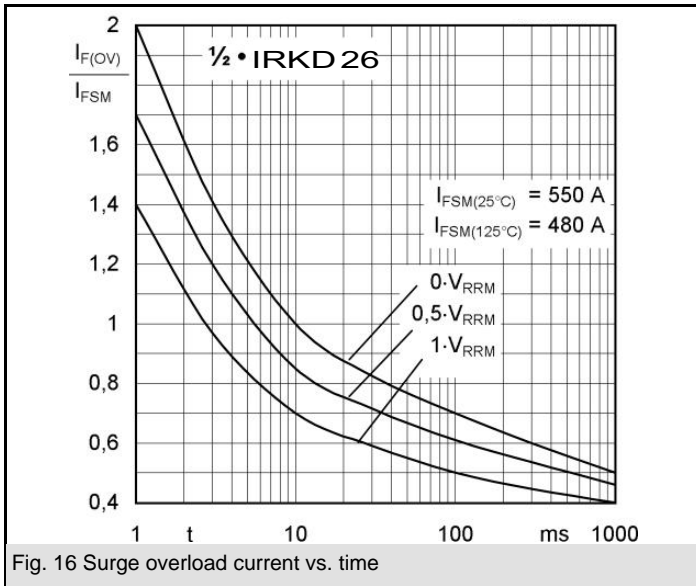
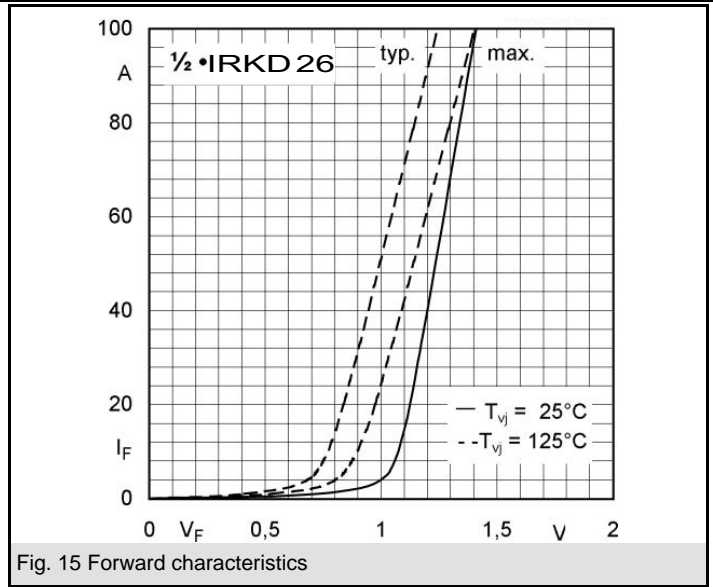
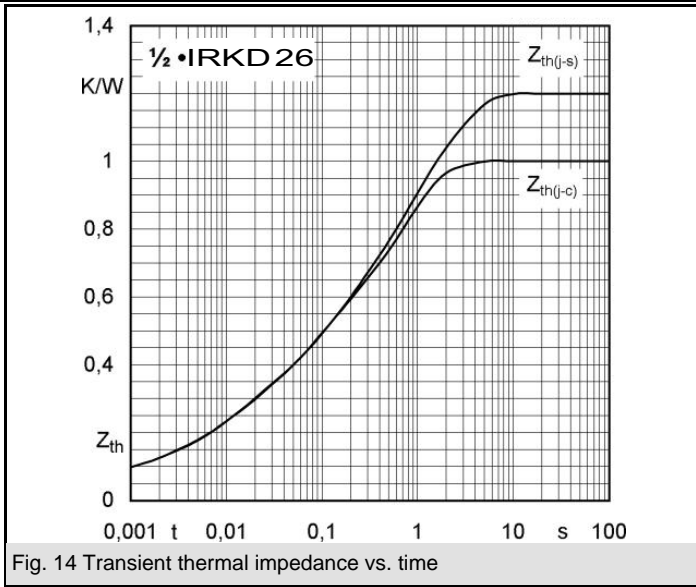
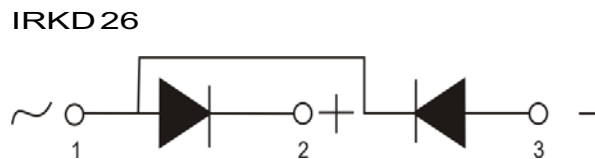


Fig. 13R Power dissipation of three modules vs. case temperature

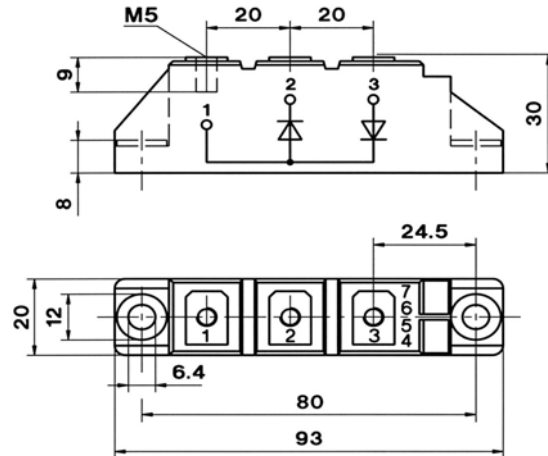


CIRCUIT DIAGRAM



PACKAGE OUTLINE

IRKD26



IR- 1

All dimensions are in mm.

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