

**FHR 2-3025 2-3818 4-4618
4-3825 4-3825H**



- **High Power**
- **Extremely Low-Ohm**
- **High Stability**
- **Kelvin Connection**
- **Low Temperature Coefficient**
- **Low Inductance**

SPECIFICATIONS

ELECTRICAL

	FHR 2-3025/2-3818	FHR 4-3825H 4-3825/4-4618
Resistance Range	: R010...100R	R001...100R
Power Rating	: 3 W (70°C) without heatsink (5 W for FHR4-3825H) 40 W with heatsink	50 W
Thermal Resistance Rthj-c	: 2.0 K/W	1.6 K/W
Tolerances	:	:
from R001	:	1.0%, 2%, 5%
from R005	:	0.5%, 1%, 2%, 5%
from R010	: 0.5%, 1%, 2%, 5%	0.1%, 0.25%, 0.5%, 1%, 2%, 5%
from R020	: 0.25%, 0.5%, 1%, 2%, 5%	0.1%, 0.25%, 0.5%, 1%, 2%, 5%
Stability	: 0.1%, 0.2%, 0.5% (depends on stress)	
Temperature Coefficient	: ±15 ppm/K (20 ... 60)°C ±25 ppm/K (20 ... 60)°C with contact F FHR 2-3025/3818 TCR Shift (see table next page)	
Voltage Proof	: 500 VDC	
Thermal EMF	: 1 µV/K	
Max. Current	: 150 A / 200 A (contact F)	

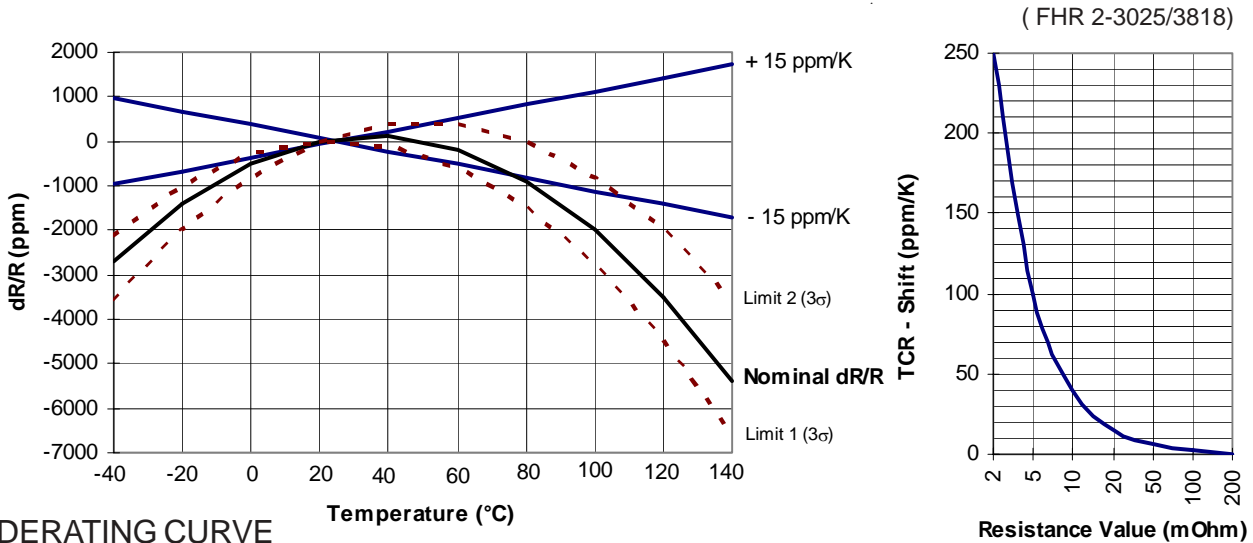
ENVIRONMENTAL

Operating Temperature Range : -40°C...130°C

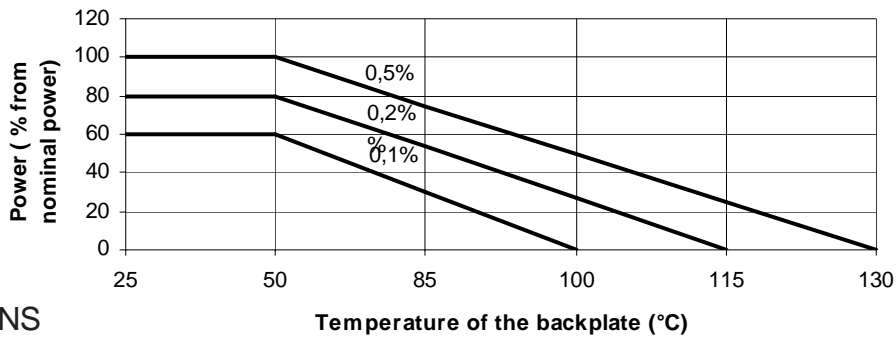
MECHANICAL

Resistor Material	: Metalfoil CuNiMn (nach DIN 17471)
Substrate	: anodized aluminium
Housing	: Epoxy
Connector Material	: Cu tinned, 2- and 4-pin
Max. torque backplate	: 1Nm

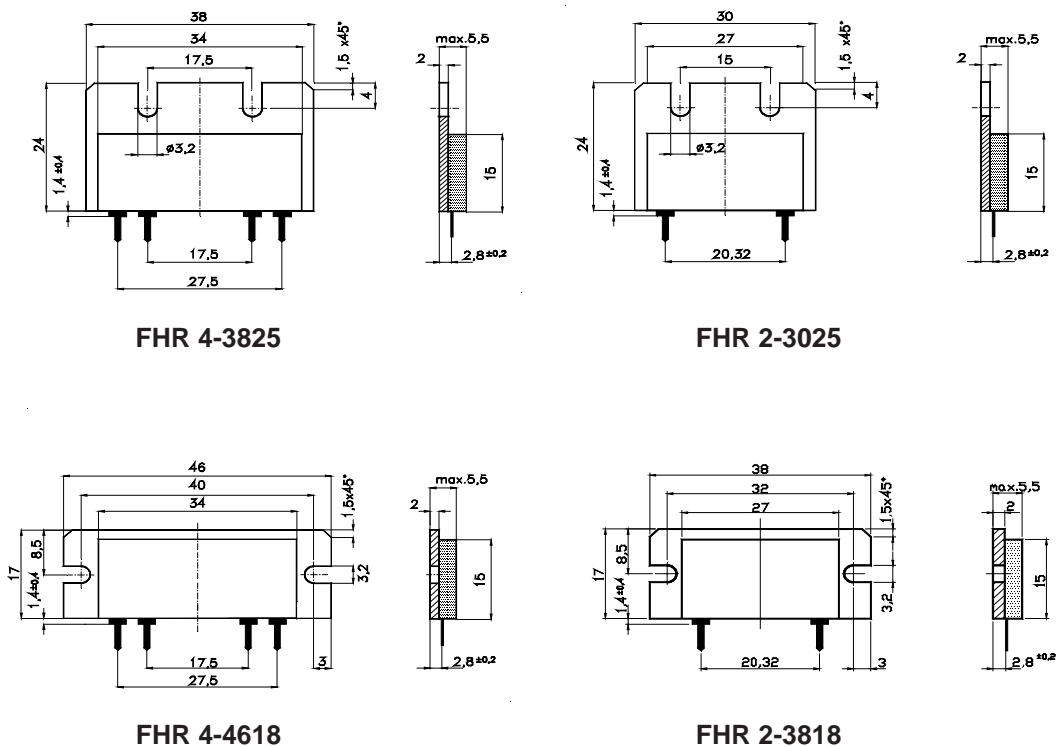
TEMPERATURE COEFFICIENT

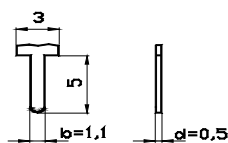


DERATING CURVE

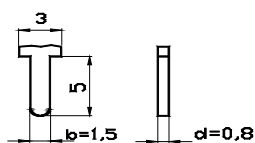


DIMENSIONS

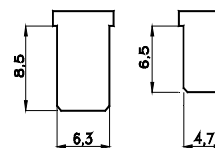




lead K
>10mOhm / 50A

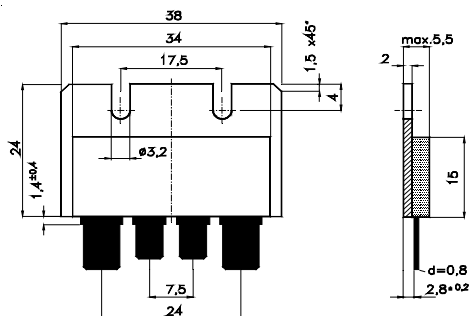


lead A
<10mOhm / 150A

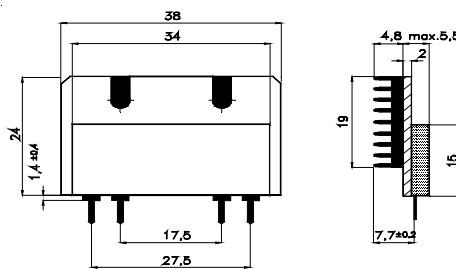


lead F
200A

SPECIAL HOUSINGS



FHR 4-3825 F



FHR 4-3825H

Dimensions in mm

HOW TO ORDER

FHR 4-3825 10R0 K 0.25%
FHR 4-3825H R010 A 0.5%

FHR 4-3825 R001 F 1%
FHR 4-4618 R050 A 1%