



- Extremely Low-Ohm
- High Stability
- Two And Four Circuit Technology
- Low Temperature Coefficient
- Low Electrical Noise
- Low Inductance

SPECIFICATIONS

ELECTRICAL

	FHR 2/4-T238	FNR 2/4-T238
Resistance Range :	R01/R001...100R	R01R001...100R
Power Rating :	60 W* *with heatsink	80 W*
Thermal Resistance Rthj-c :	1.3 K/W	1.0 K/W
Tolerances :	0.5%, 1%, 2%, 5% (others upon request)	
Stability :	0.1%, 0.2%, 0.5% (depends on stress)	
Temperature Coefficient :	±15 ppm/K (20... 60)°C FHR/FNR2-238 TCR-Shift (see table next page)	
Voltage Proof :	2.5 kV DC	
Thermal EMF :	< 1 µV/K	
Max. Current :	40 A	45 A higher upon request

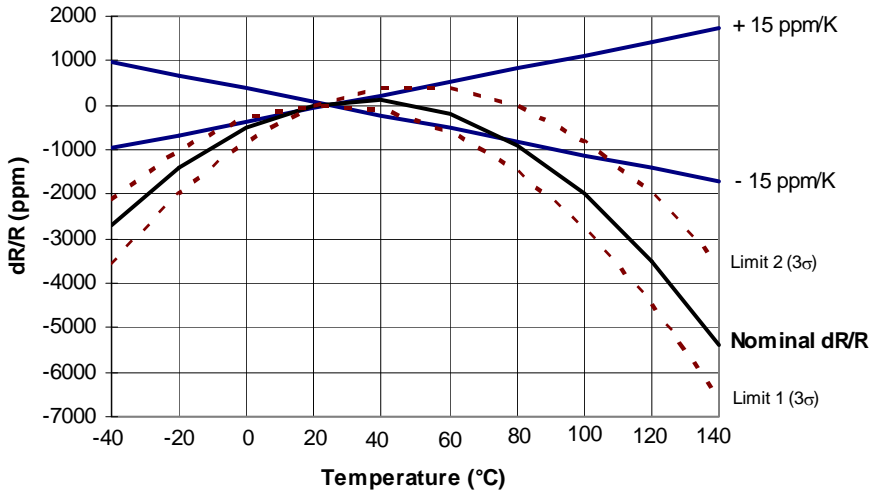
ENVIRONMENTAL

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

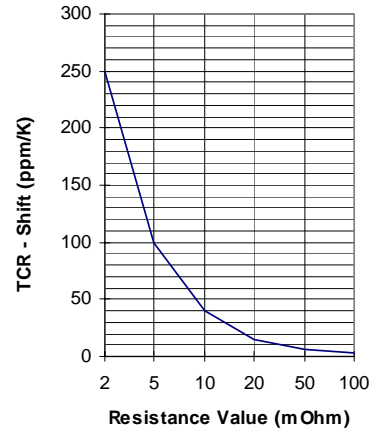
MECHANICAL

Resistor Material :	Metalfoil CuNiMn (nach DIN 17471)	
Substrate :	Al ₂ O ₃	AlN
Housing :	Epoxy	
Connector Material :	Cu tinned, 2- and 4-pin	

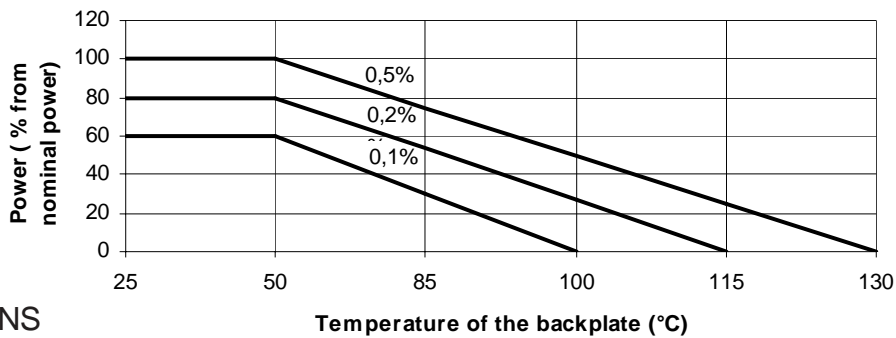
TEMPERATURE COEFFICIENT



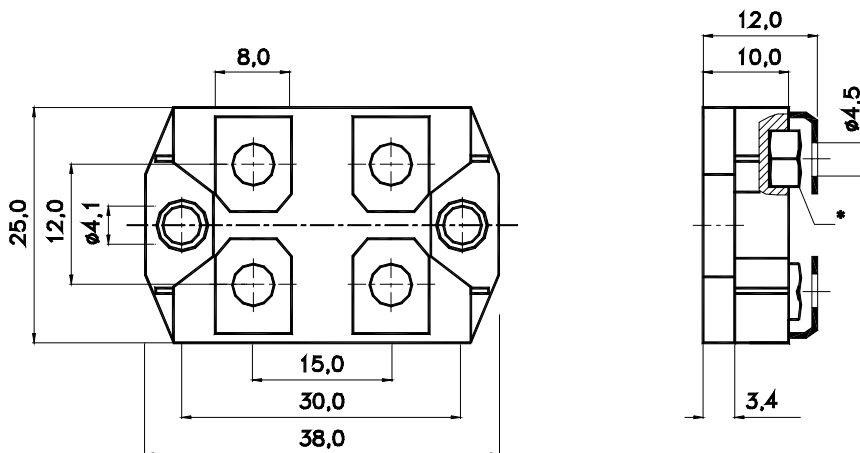
FHR/FNR 2-T238



DERATING CURVE



DIMENSIONS

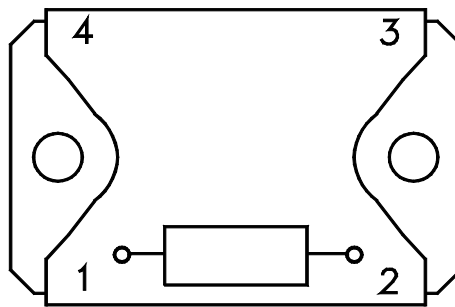


* screw terminal M4

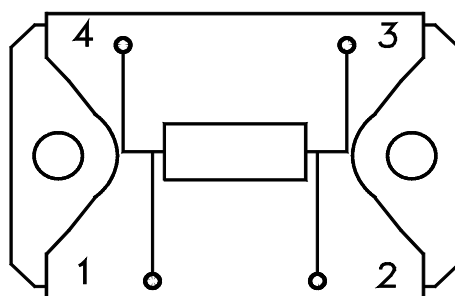
Standard: Pin G (width= 6.35) leads curved

Dimensions in mm

ATTACHMENT VARIATIONS



FHR 2-T238 / FNR 2-T238



FHR 4-T238 / FNR 4-T238

1 - U1 3 - I2
2 - U2 4 - I1

Dimensions in mm

HOW TO ORDER

FHR 2-T238 1R1 G 1%

FNR 4-T238 R001 F 2%