FHR FNR
2-T238 4-T238

- **Extremely Low Ohm Rating**
- **High Stability**
- **Two- and Four Circuit Technology**
- **Low Temperatur Coefficient**
- **Low Electrical Noise**
- **Low Inductance**

SPECIFICATIONS

ELECTRICAL

		FHR 2/4-T238 FHN 2-T238	FNR 2/4-T238 FNN 2-T238
Resistance Range	:	R01/R001...100R	R01/R001...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% (other Tolerances upon request)	
Stability	:	0.5	
Temperatur Coefficient	:	±15 ppm/K (20...60)°C / ±50 ppm/K (-40...130)°C R < R02: ±20 ppm/K (20...60)°C FHR/FNR2-T238 as well as FHN/FNN TCR-Shift depending on the resistor value	
Voltage Proof	:	2.5 kVDC	
Thermal EMF	:	< 1 µV/K	
Max. Current	:	40 A (higher Values upon request)	45 A

ENVIRONMENTAL

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

MECHANICAL

Resistor Material	:	Metalfoil CuNiMn (DIN 17471)	
Substrate	:	Al_2O_3	AlN
Housing	:	Epoxy	
Connector Material	:	Cu or brass, tinned 2-pin, 4-pin	

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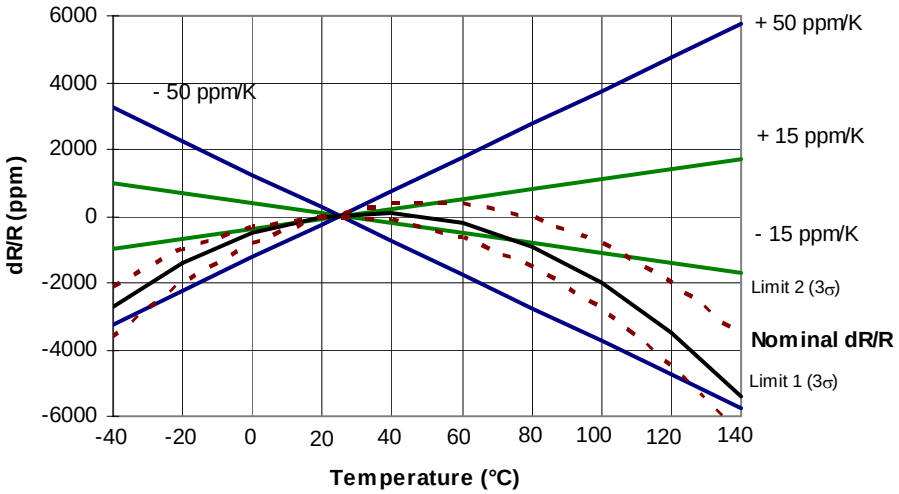
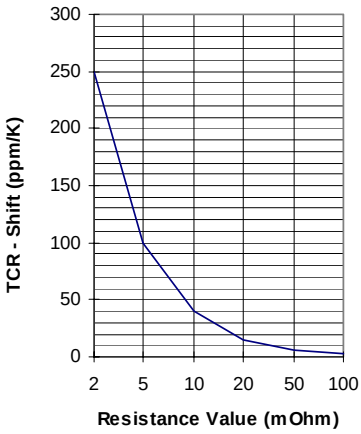
FHR FNR 2-T238 4-T238

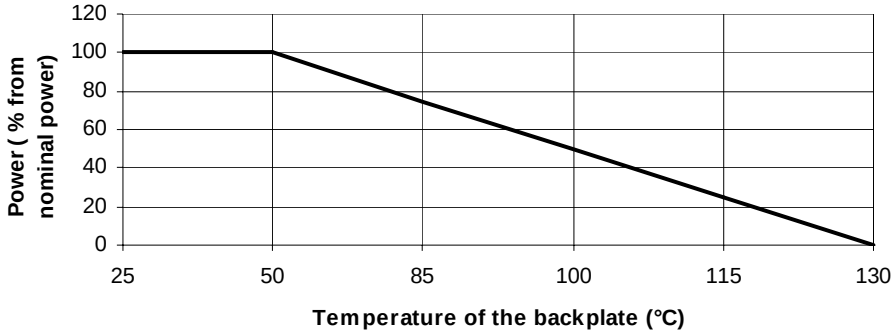
TEMPERATURE COEFFICIENT



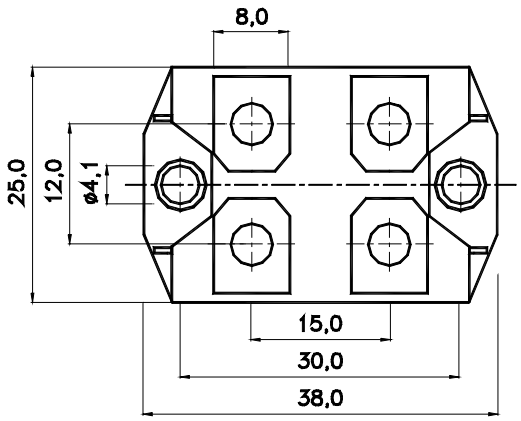
(FHR/FNR and FHN/FNN 2-T238)

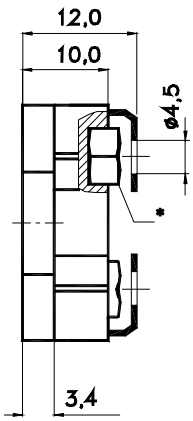


DERATING CURVE



DIMENSIONS





*** screw terminal M4**

Standard: Pin **G** (width= 6.35) leads curved

Dimensions in mm

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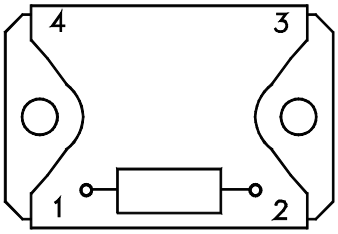
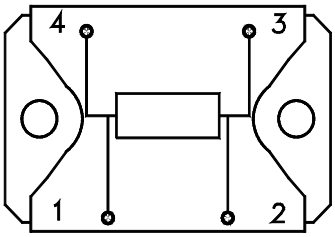
FAULTY CONNECTION VARIATIONS



FHR/FNR 2-T238



FHR/FNR 4-T238
1 - U1 / 2 - U2 / 3 - I2 / 4 - I1

Dimensions in mm

HOW TO ORDER

FHR 2-T238 1R1 G 1%

FNR 4-T238 R001 F 2%

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