

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 μ V/K	
Max. Current	: 40 A (higher Values upon request)	45 A

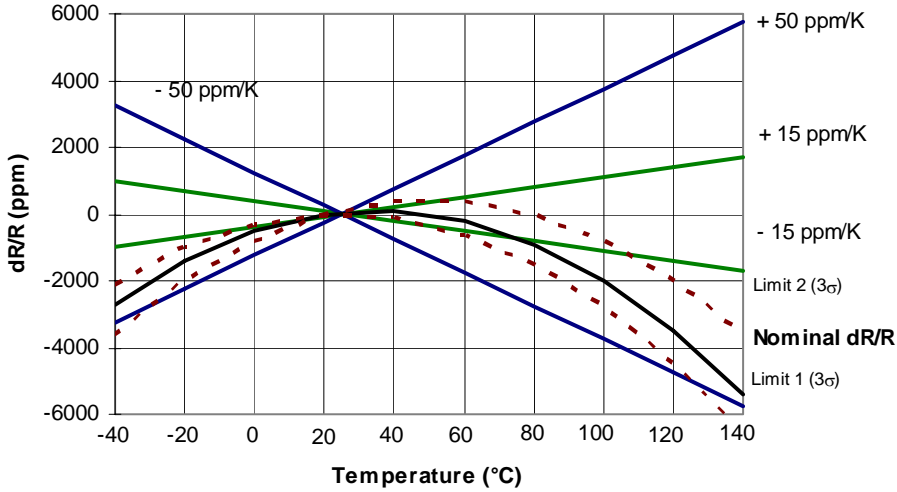
ENVIRONMENTAL

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

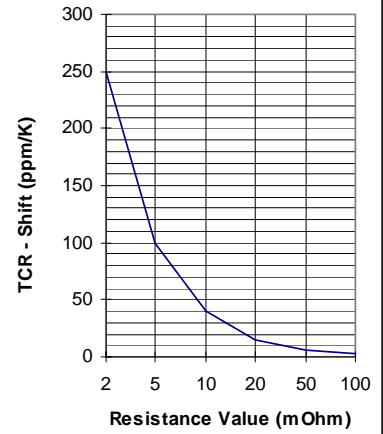
MECHANICAL

Resistor Material	: Metalfoil CuNiMn (DIN 17471)
Substrate	: Al ₂ O ₃ AIN
Housing	: Epoxy
Connector Material	: Cu or brass, tinned 2-pin, 4-pin

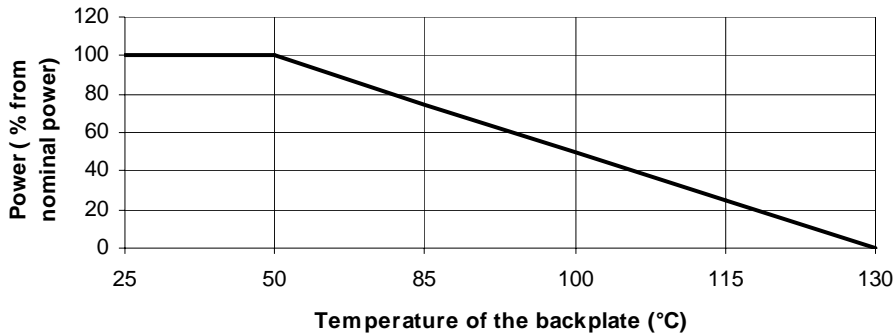
TEMPERATURE COEFFICIENT



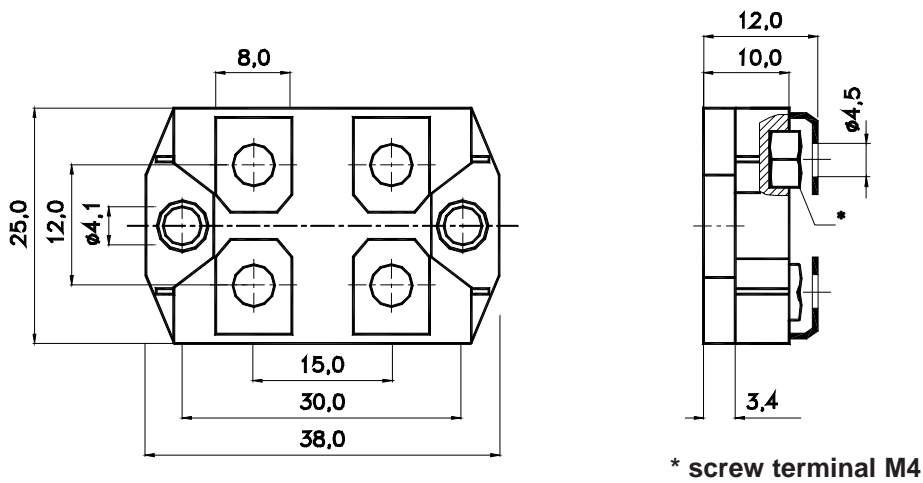
(FHR/FNR and FHN/FNN 2-T238)



DERATING CURVE



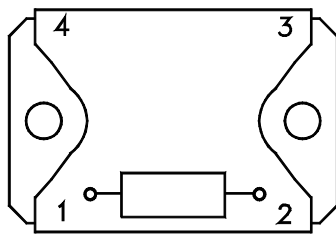
DIMENSIONS



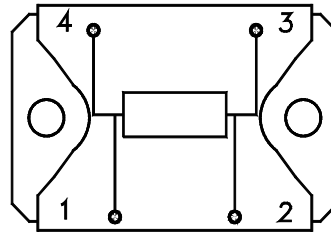
Standard: Pin G (width= 6.35) leads curved

Dimensions in mm

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%