



- Extremely Low-Ohm
- High Stability
- Low Temperature Coefficient
- Low Electrical Noise
- Low Inductance
- TO-Standard-Housing

## SPECIFICATIONS

### ELECTRICAL

### FPR2-T218

|                                  |   |                                                                  |
|----------------------------------|---|------------------------------------------------------------------|
| <b>Resistance Range</b>          | : | R002...50R<br>Serie E12                                          |
| <b>Power Rating</b>              | : | 2 W (70°C)<br>30 W with heatsink                                 |
| <b>Thermal Resistance Rthj-c</b> | : | 2.5 K/W                                                          |
| <b>Tolerances</b>                | : |                                                                  |
| <b>from R002</b>                 | : | 1%, 2%, 5%                                                       |
| <b>from R010</b>                 | : | 0.5%, 1%, 2%, 5%                                                 |
| <b>from R020</b>                 | : | 0.25%, 0.5%, 1%, 2%, 5%                                          |
| <b>from 1R0</b>                  | : | 0.1%, 0.25%, 0.5%, 1%, 2%, 5%                                    |
| <b>Stability</b>                 | : | 0.1%, 0.2%, 0.5% (depends on stress)                             |
| <b>Temperature Coefficient</b>   | : | R > 0R2 ±15 ppm/K (20...60)°C<br>R ≤ 0R2 TCR see table next page |
| <b>Voltage Proof</b>             | : | 300 VDC                                                          |
| <b>Thermal EMF</b>               | : | < 1 µV/K                                                         |

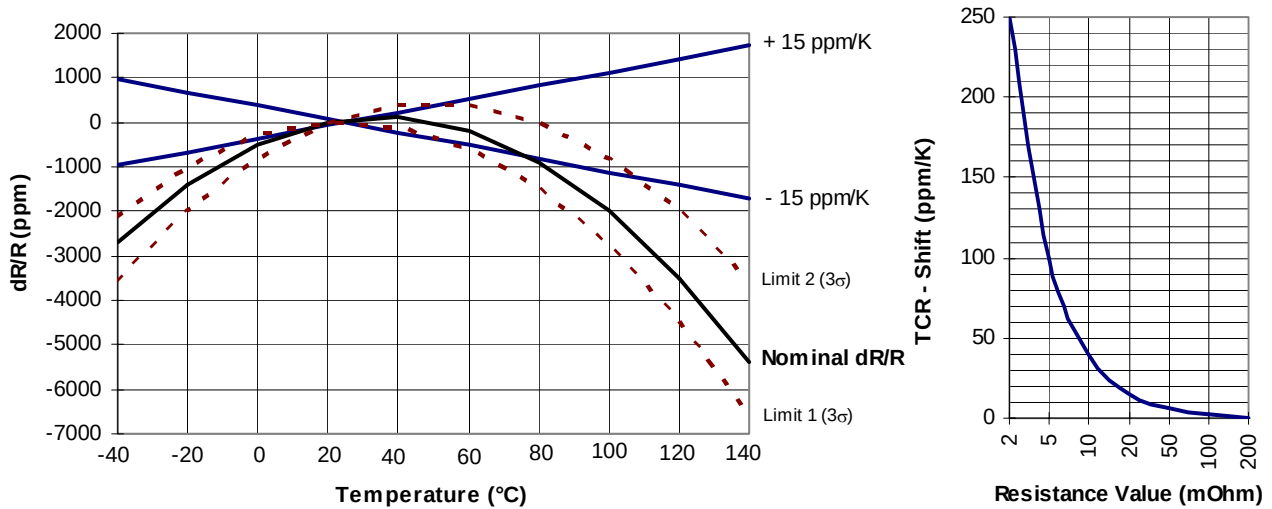
### ENVIRONMENTAL

|                                    |   |               |
|------------------------------------|---|---------------|
| <b>Operating Temperature Range</b> | : | -40°C...130°C |
|------------------------------------|---|---------------|

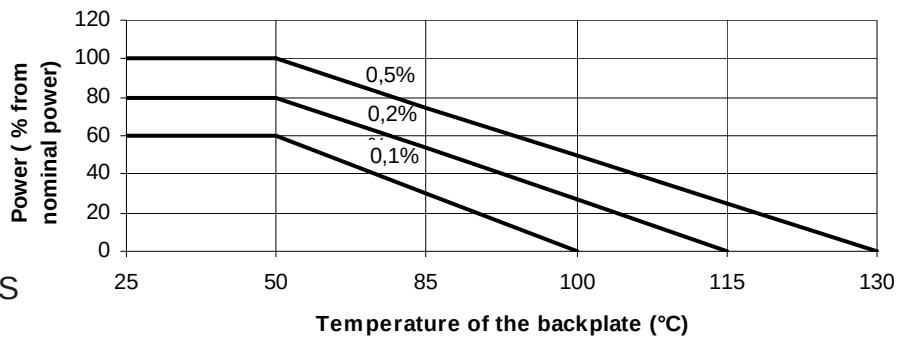
### MECHANICAL

|                              |   |                              |
|------------------------------|---|------------------------------|
| <b>Resistor Material</b>     | : | Metalfoil CuNiMn (DIN 17471) |
| <b>Substrate</b>             | : | anodized aluminium           |
| <b>Housing</b>               | : | PPS                          |
| <b>Connector Material</b>    | : | Cu tinned, 2-pin             |
| <b>Max. torque backplate</b> | : | 1 Nm                         |

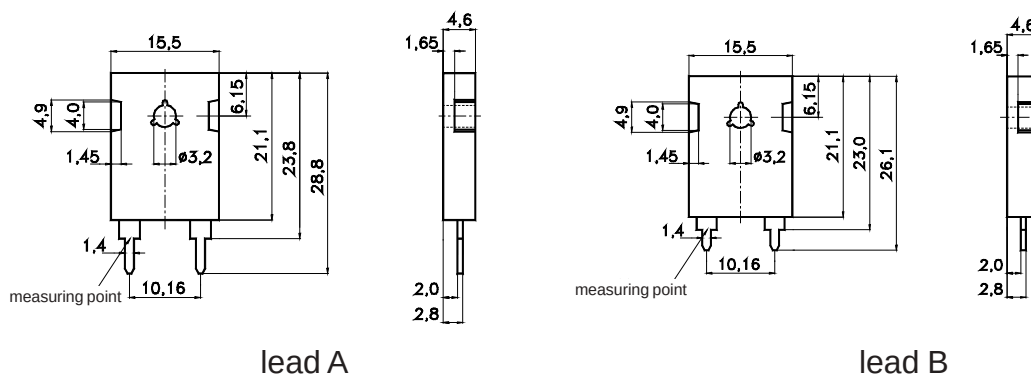
## TEMPERATURE COEFFICIENT



## DERATING CURVE



## DIMENSIONS



## Standardlead for T-218 : Lead B

Dimensions in mm

## HOW TO ORDER

FPR 2-T218 10R B 0.25%  
FPR 2-T218 R068 B 0.5%

FPR 2-T218 10R0 B 1.0%  
FPR 2-T218 R068 A 0.5%