

FPR 4-2321 4-3316



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

PRODUCT DESCRIPTION

SPECIFICATIONS

ELECTRICAL

		FPR 4-2321	FPR 4-3316
Resistance Range	:	R0005...100R	R001...100R
Power Rating	:	1.5 W (70°C)	2 W (70°C)
Tolerances	:		
from R0005	:	1%, 2%, 5%	
from R005	:	0.5%, 1%, 2%, 5%	
from R010	:	0.25%, 0.5%, 1%, 2%, 5%	
from R020	:	0.1%, 0.25%, 0.5%, 1%, 2%, 5%	
Stability	:	0.1%, 0.2%, 0.5% (depends on the stress)	
Temperature Coefficient	:	±15 ppm/K (20...60)°C	
Insulation Resistance	:	> 10 GOhm	
Thermal EMF	:	< 1 µV/K	

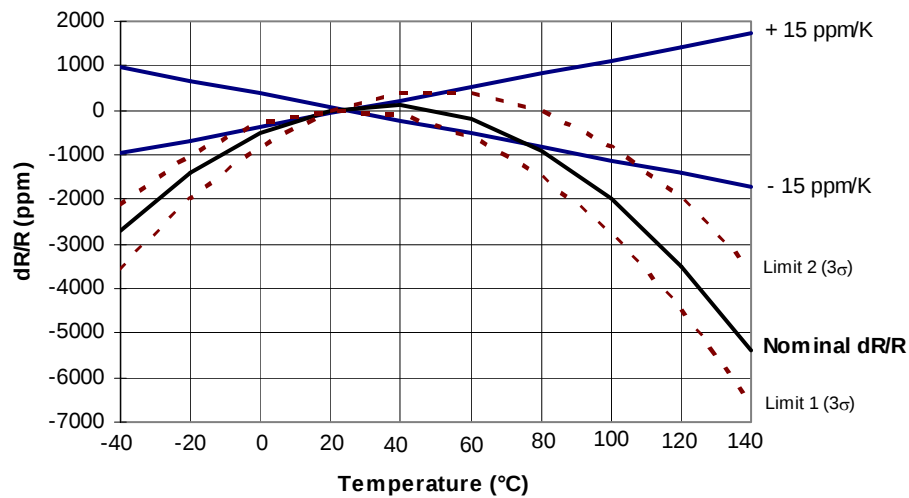
ENVIRONMENTAL

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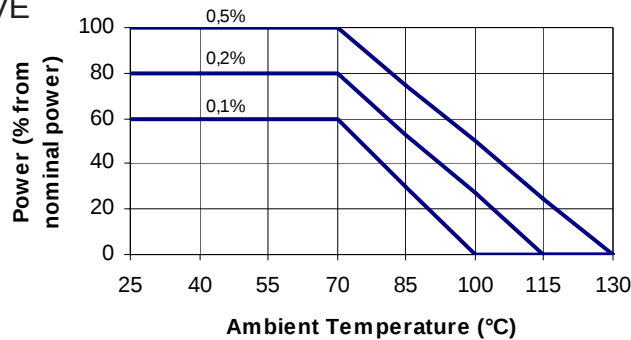
MECHANICAL

Resistor Material	:	Metalfilm CuNiMn (DIN 17471)
Substrate	:	anodized aluminium
Housing	:	Epoxy / Sintered
Connector Material	:	Cu tinned
		4-pin

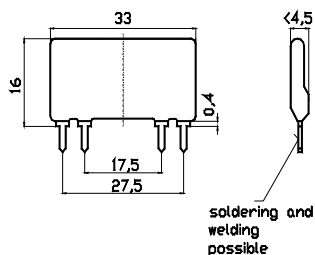
TEMPERATURE COEFFICIENT



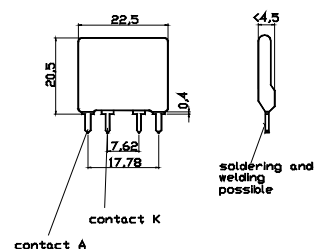
DERATING CURVE



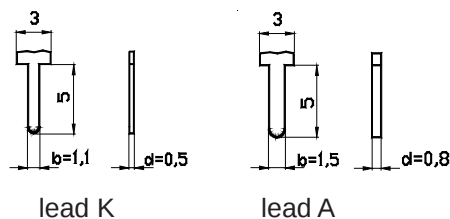
DIMENSIONS



FPR 4-3316



FPR 4-2321



Standard leads:

FPR 4-3316: for R > 0R01 lead K, for R < 0R01 lead A

Dimensions in mm

HOW TO ORDER

FPR 4-2321 10R 0.5%

FPR 4-2321 R022 1.0%

FPR 4-3316 100R K 1%

FPR 4-3316 0R01 A 1.0%