

# RESENSEN

Sensoren und industrielle Regelungstechnik

Precision  
High Voltage Divider  
„High Performance“

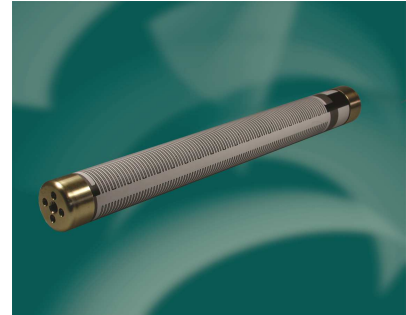
## Features

- high pulse load
- high stability
- low inductive

## Applications

- test equipment
- medical instruments
- electron. accelerators
- electrostatic

## HVD 2000



## Characteristics

Operating temperature	- 55°C ... + 225°C
Abs. temperature coefficient	50 ... 15 ppm/°C
Ratio temperature coefficient	25 ... 10 ppm/°C
Absolute tolerance	1 ... 0,1 %
Ratio tolerance	1 ... 0,1 %
Insulation resistance	> 10.000 MΩ 500 V 25°C 75 % relative humidity
Dielectric strength	> 1.000 V 25°C 75 % relative humidity
Thermal shock	Δ R/R 0,2% max..MIL Std. 202, meth. 107 Cond. C. IEC 68-2-14
Overload	Δ R/R 0,25% max..1,5xP <sub>Nom</sub> , 5sec (do not exceed 1,5xV max)
Moisture resistance	Δ R/R 0,25% max ... MIL Std. 202, method 106 ... IEC 68-2-3
Load life	Δ R/R 0,25% see diagram 1000 h. at rated power IEC 115-1
Encapsulation	coating
Terminals	brass caps
Tap	pick up cable 85 mm AWG 20 black

## Designs

Type	P40°C Watt	U KV dc	R 1 + R2	TC abs.	50 ppm/°C	25 ppm/°C	15 ppm/°C
				Tol. abs.	1 % ... 0,25 %	1 % ... 0,1 %	1 % ... 0,1 %
				TC Ratio	25 ppm/°C	15 ppm/°C	15,10 ppm/°C
				Tol. Ratio	0,5 % ... 0,25 %	0,5 % ... 0,1 %	0,5 % ... 0,1 %
2000.23	10,0	40	10 M - 10 G	R 1 + R 2	2 M - 2 G	20 M - 1 G	20 M - 500 M
				Ratio	1: 1000 - 1: 20000	1: 500 - 1: 20000	1: 1000 - 1: 10000
2000.105	50,0	80	20 M - 20 G	R 1 + R 2	20 M - 3 G	20 M - 2 G	20 M - 1 G
				Ratio	1:1000 - 1: 20000	1: 1000- 1: 20000	1: 1000 - 1: 10000

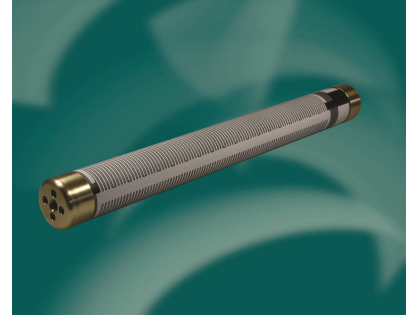
Specifications subject to change without notice

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### Dimensions (mm)

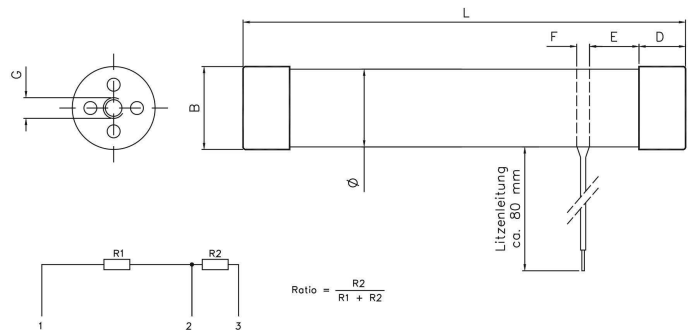
Type	L	B	Ø
2000.23	156 ± 2,0	14 ± 0,2	13,5
2000.105	308 ± 2,5	31 ± 0,3	30,5

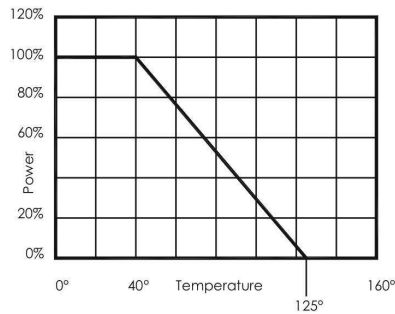
Typ	D	E	F
2000.23	10	6,5 ± 0,5	5
2000.105	10	21,0 ± 2,0	7

Typ	G	I	N
2000.23	M4	3,2	18,5
2000.105	M8	3,2	31,5



### Diagramms



### Bestellbezeichnung

Typ	R-Total	Tol. Abs.	TC abs.	Ratio	Tol. Ratio	TC Ratio
2000.23	500 M	0 , 2 5	2 5 ppm/°C	1 : 10000	0 , 1 %	15 ppm/°C