

**Precision High Voltage Dividers****Preliminary****Type: HVT****Standard Sizes: HVD 30 / 40 / 55 / 80 / 160 / 310****Features:**

- High precision of ration (0.1%)
- Low relative TCR (10 ppm/K)
- High working voltages (80 kV)
- Flat and cylindrical types
- Customer specified versions available

Dimensions and Characteristics:

Size	30	40	55	80	160	310
L max (mm)	30	40	55	80	160	310
Shape	flat	flat	flat	flat	cyl.	cyl.
Working voltage U _W (kV)	8	15	25	33	40	80
Power rating P ₇₀ (W)	0.4	0.8	1.2	2.0	7.0	35
Lowest value	1M	5M	10M	20M	10M	20M
Highest value	100G	100G	100G	100G	10G	10G
Ratio max.	1:3000	1:10000	1:20000	1:20000	2:20000	1:20000

General Technical Data:

Temperature range: -55 ... +125°C
 Temperature coefficient abs.: ±15 ... ±500 ppm/K
 Temperature coefficient rel.: ±10 ... ±100 ppm/K
 Tolerances abs.: ±0.1 ... ±20%
 Tolerances rel. (ratio): ±0.1 ... ±5%
 Humidity protection: Silicon conformal coating

More technical data, a derating diagram, and mechanical drawings for specific size on request.

Inquiry / Ordering Data:

Dimensions, Working voltage, Resistance value, Ratio, Lead spacing
 Tolerance absolute, Tolerance ratio, TCR absolute, TCR relative
 Stability requirement
 Environmental conditions



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