

HS-Series High Voltage Resistors, axial leaded

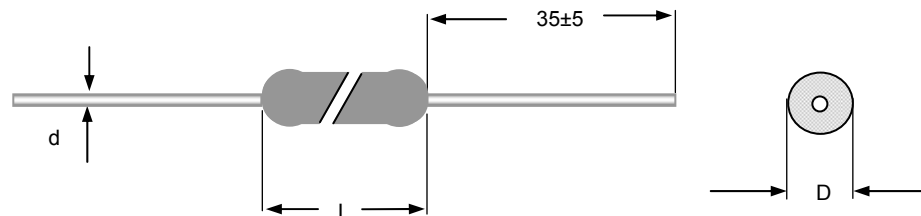
Sizes: HS 15 ... HS 152 (15mm ... 152mm / 0.6" ... 6")

Features:

- High voltage and high frequency applications
- High stability at overload and environmental tests
- Resin coated with printed value
- Continuous operating temperature up to 195°C; short term up to 225°C

Dimensions:

(values see following table)



Technical data – depending on size:

Type ¹⁾	Power P ₂₅ (W)	Voltage (kV) ²⁾		Resistance Range		Dimensions (mm)		
		max. cont. operating	Impulse (1.2/50)	Standard	extended	L	D	d
HS15	0.2	2.0	4.0	100k ... 500M	UR series HTE series	15 ^{±1,5} (0.6")	5.0 ^{±1,5}	0.8
HS19	0.3	2.5	5.0	100k ... 500M	UR series HTE series	19 ^{±1,5} (0.75")	5.0 ^{±1,5}	0.8
HS25	0.5	4.5	9.0	100k ... 500M	UR series HTE series	25.4 ^{±1,5} (1")	5.0 ^{±1,5}	0.8
HS24	1.5	4.0	8.0	100k ... 500M	UR series HTE series	24 ^{±1,5} (1")	8.0 ^{±1}	1.0
HS39	2.5	10.0	20.0	100k ... 1G	UR series HTE series	39 ^{±1,5} (1.5")	8.0 ^{±1}	1.0
HS52	3.0	15.0	30.0	100k ... 1G	UR series and HTE series	52 ^{±1,5} (2")	8.0 ^{±1}	1.0
HS76	4.5	22.5	40.0	1M ... 1G	up to 10T and HTE series	76 ^{±2} (3")	8.0 ^{±1}	1.0
HS102	6.0	32.0	50.0	1M ... 1G	up to 10T and HTE series	102 ^{±2} (4")	9.0 ^{±1}	1.0
HS127	7.5	37.0	65.0	1M ... 1G	up to 10T and HTE series	127 ^{±2} (5")	9.0 ^{±1}	1.0
HS152	9.0	48.0	77.0	1M ... 1G	up to 10T and HTE series	152 ^{±2} (6")	9.0 ^{±1}	1.0

¹⁾ Other sizes (intermediate) available on request

²⁾ Voltage restricted by rated power: $U = \sqrt{P \cdot R}$

HS-Series

High Voltage Resistors, axial leaded

Sizes: HS 15 ... HS 152 (15mm ... 152mm / 0.6" ... 6")

Technical data - general:

Tolerances	0.5%, 1%, 2%, 5%
Temperature coefficient	Standard: 100 ppm/K Special: 20; 35; 50; 60; 75 ppm/K on request
Temperature range	-55°C ... +195°C
Insulation resistance	> 10GΩ
Overload test (5x rated power / 1.5x operating voltage / 5sec)	$\Delta R < \pm 0.25\%$
Load life (1000h @ rated power)	$\Delta R < \pm 0.25\%$
Moisture resistance (Mil-Std-202, Method 106, Cond. C)	$\Delta R < \pm 0.25\%$
Derating	100% @ 25°C linear down to 0% @ 225°C
Technology	Thick film
Conformal Coating	Epoxy

Ordering data:

Type – value – tolerance – TCR