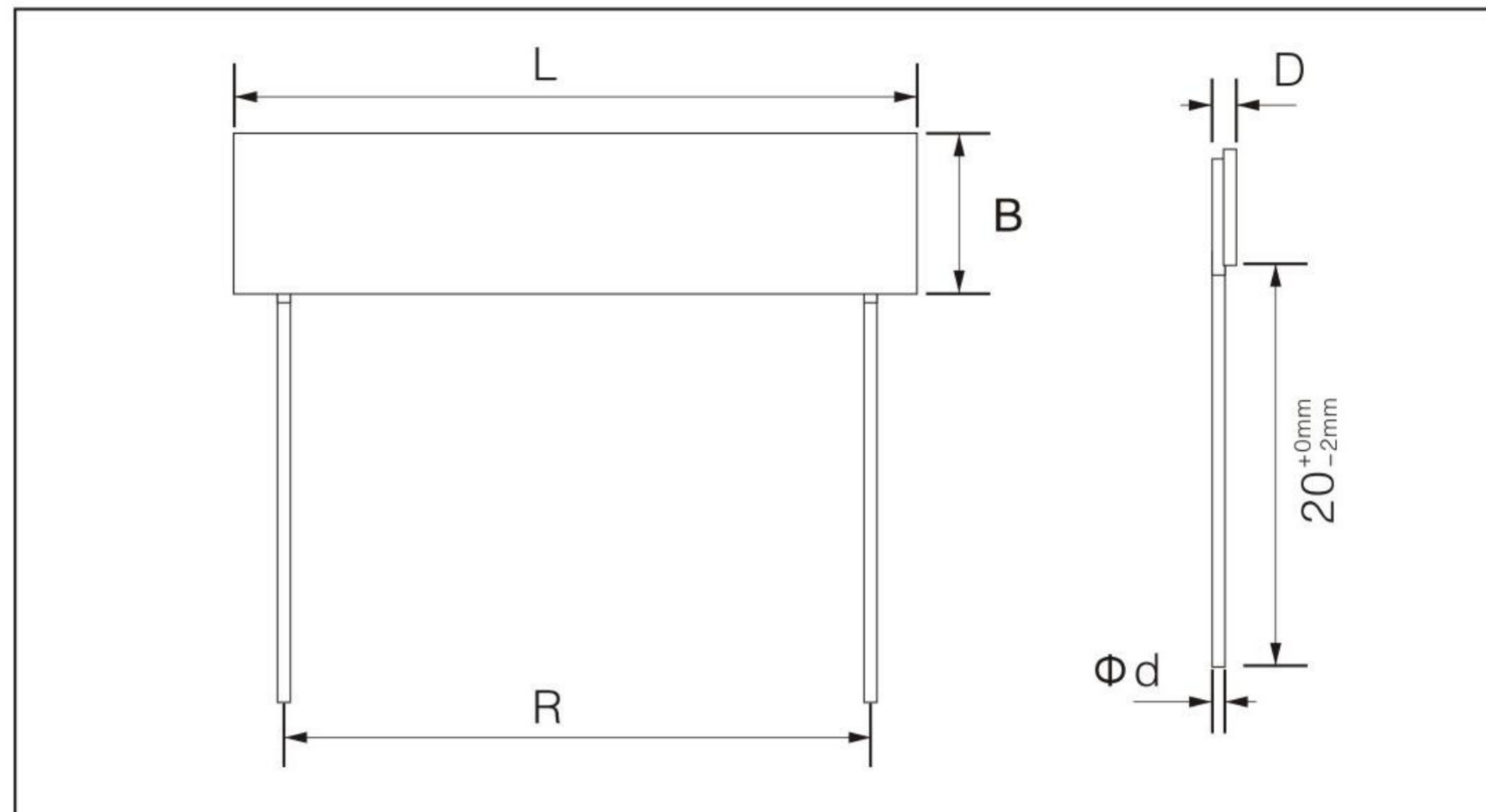


Construction(mm)



Features

- High voltage thick film resistors
- Variable lead span by bending
- Resistance values up to 10 Tegaohm
- Low values of TCR and VCR

Dimensions(mm)

size	L	B	D	R	d
HVR30	30.0	6.0	1.4	27.5	0.40 ^{±0.05}
HVR40	40.0	6.0	1.4	37.8	0.40 ^{±0.05}
HVR50	50.0	12.5	1.4	47.8	0.40 ^{±0.05}

L=Length, B=Width, D=Thickness, d=wire diameter(in mm)

R=standard lead spacing(other spacing possible by bending)

Tolerance of dimensions: ±0.5mm

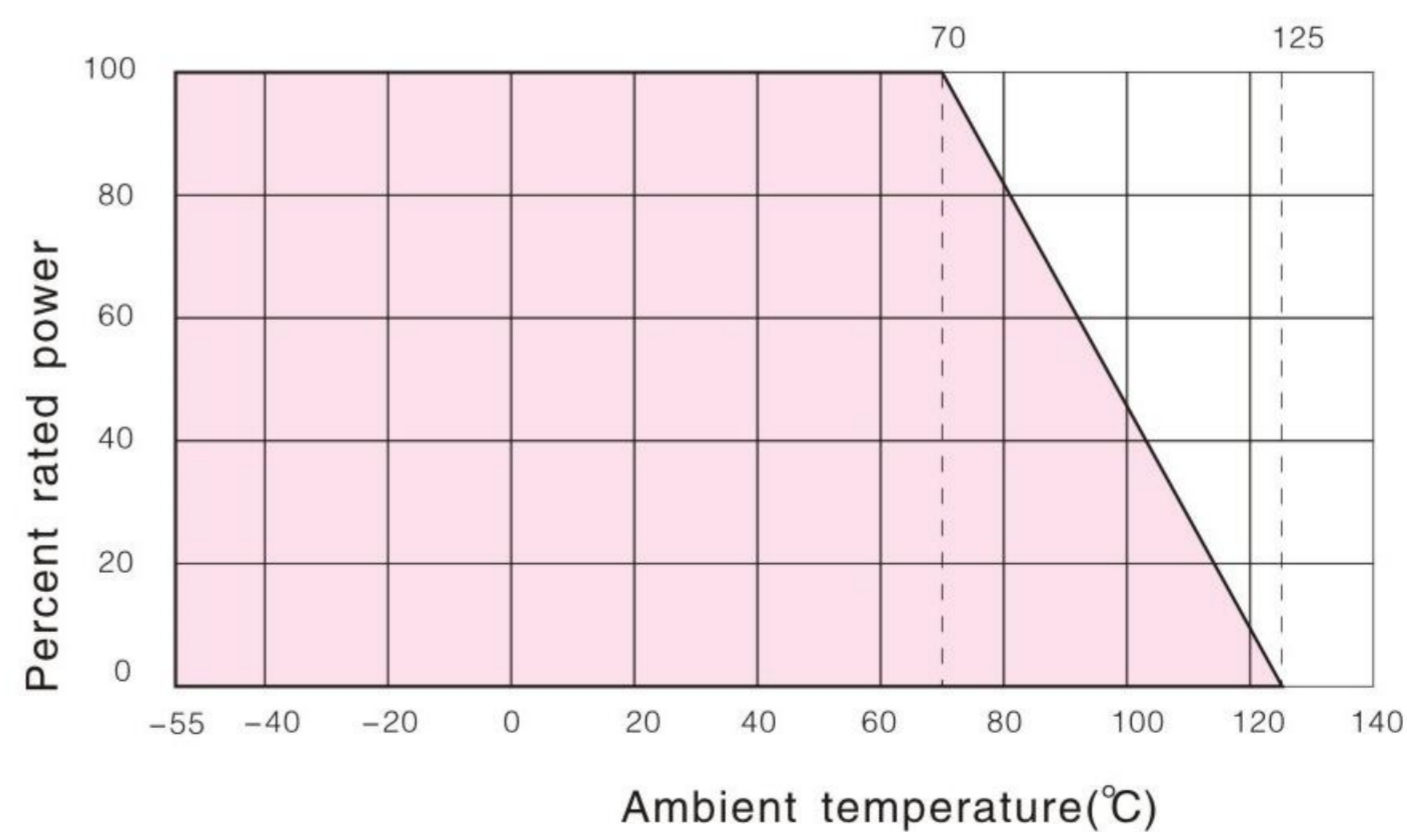
Applications

- all kinds of electrical equipments

Reference Standards

Q/DRT006-2009

Derating Curve



■ Performance

Test Item	Specifications		Test Methods
Long term stability	≤10G	>10G	/
High temperature store	<1%	<2%	125°C, 1000h
Load life	<1%	<2%	70°C, P _R , 1000h

■ Technical Specifications

Type	Rating Power P ₇₀ (W)	Working Voltage	Resistance Range/Tolerance/TCR ¹⁾ /VCR ²⁾				
			1M-100M	>100M-1G	>1G-100G	>100G-1T	>1T-10T
HVR30	1.0	10KV	0.25/.../10% TC25/50/100 <2ppm/V	1/2/5/10/20% TC50/100/250 <5ppm/V	5/10/20/30% TC250/500 <20ppm/V	5/10/20/30% TC500/1000 <100ppm/V	-
HVR40	1.2	20KV	0.25/.../10% TC25/50/100 <1ppm/V	1/2/5/10/20% TC50/100/250 <2ppm/V	5/10/20/30% TC250/500 <10ppm/V	5/10/20/30% TC500/1000 <50ppm/V	-
HVR50	3.0	30KV	0.25/.../10% TC25/50/100 <1ppm/V	1/2/5/10/20% TC25/50/100 <1ppm/V	5/10/20/30% TC100/250 <5ppm/V	5/10/20/30% TC250/500 <25ppm/V	10/20/30% TC/VCR on request

Remarks:

1) TCR25/50: Temperature range +25°C ~ +85°C

2) VCR measured between 10V and 100V

Closed values of tolerance, TCR and VCR, other dimensions or voltage dividers on request and agreement

■ How To Order

Example

HVR	30	1.0W	100MΩ	±0.25%	±100(10 ⁻⁶ /K)	box
Type	Style	Power	Nominal Value	Tolerance	TCR	Packaging
HVR	30 40 50	1.0W 1.2W 3.0W	100MΩ	±0.25% ±1% ±2% ±5% ±10% ±20% ±30%	±25(10 ⁻⁶ /K) ±50(10 ⁻⁶ /K) ±100(10 ⁻⁶ /K) ±250(10 ⁻⁶ /K) ±500(10 ⁻⁶ /K) ±1000(10 ⁻⁶ /K)	box bag

Packaging: Plastic recloseable bags (moq: 30PCS)