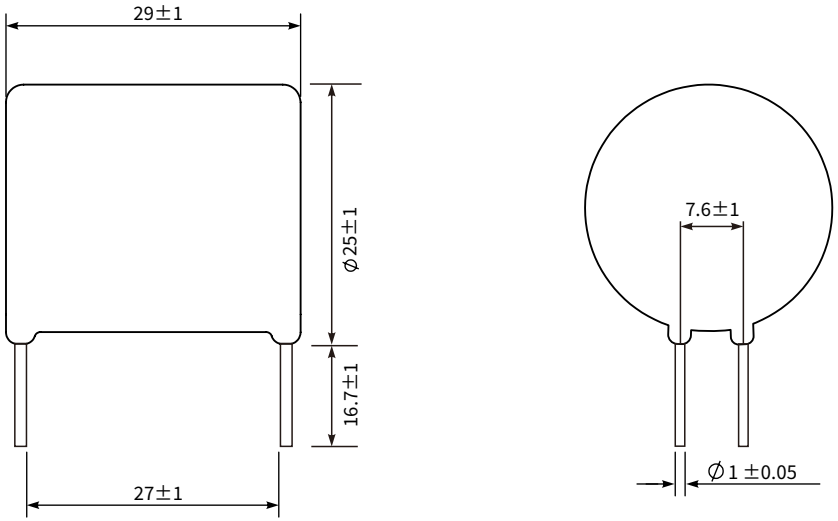
Dimensions (mm):



No.	Version	Details	Date

Specifications

Resistance	100Ω
Rated Power(25℃)	5.5W
Tolerance	±10%
Peak Energy(25℃)	2800J
Max. AC working voltage	50Hz，rms：$2.4\times(1.8R/t)^{0.3}$
Max.pluse voltage(KV)	1.2/50μs： $1.26R\times(-1+\sqrt{(1+33/R)})$ 10/1000μs： $0.0627R\times(-1+\sqrt{(1+658/R)})$ 500/5000μs： $0.0126R\times(-1+\sqrt{(1+3288/R)})$
Temperature	150℃(continue)，200℃(short time) Thermal time constant Γ(s)=Emax(25°C)/Wmax(25°C),cooling t≥4Γ
Linear expansion coefficient	5ppm/℃~15ppm/℃
TCR	-500ppm/℃~-1500ppm/℃

Performance

Test	Test method	Performance
Life Test	MIL-STD-202F, method 108A. except 50°C, 1000 hrs. @ rated power; 1.5 hrs. ON, 0.5 hrs. OFF	ΔR≤5%
Single Pulse Energy	Single pulse, capacitor discharge at rated energy.	ΔR≤1.5%
Repetitive HV Pulsing	10 joules @ 5.0KV, 10,000 cycles	ΔR≤2.0%
Short-time Overload	10x rated power. 5 sec. ON, 5 sec. OFF, 5 cycles	ΔR≤1.5%
Short-term High Temp	250°C for 30 seconds	ΔR≤1.5%
Long-term High Temp	1000 hours @ 150°C	ΔR≤2.0%
Thermal Shock Cycle	MIL-STD-202F, method 107D. -55°C to +125°C, 5 cycles	ΔR≤2.0%
Moisture Resistance	90% to 95% RH @ 40°C, 1000 hrs.	ΔR≤1.0%

Standard

IEC60115-1:2001

Part Number Information

HECR	3026	K	100R	BE
Series	Size	Tolerance	Resistance	Sheating Material

Customized Information

Series	HECR	Part #	HECR3026K100RBE
Marking	Subject to actual product		
Customized Request	Customize according to customer's needs		

睿思 C&B Electronics

Drawing No.	E08010-009	Latest Version	V0	Issue Date	2024-5-29	Department	R&D
Demander				Approval Date	2024-5-29	Approver	Wine Zeng
Unit	mm	Scale	N/A	Last Reviewed Date	2024-5-29	Page	1/1