

RHCA3216 series is chip surge absorber for protection from static electricity/indirect lighting surge, smaller and thinner than ceramic tube lead type, adaptable for high density surface mount technology. Impulse current capacity is 2,000A 8/20 μ s.



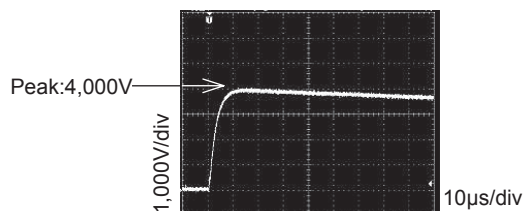
Safety Standard	File No.
UL :UL497B	E139599

Features

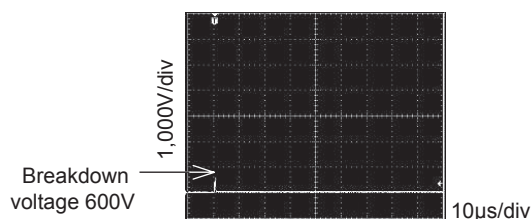
- Chip surge absorber for protection from static electricity/indirect lighting surge, adaptable to high density surface mount technology
- Usable for reflow / flow soldering
- Compliance with IEC61000-4-5
 1. Surge current capacity 8/20 μ s-500A $\pm$ 5times
 2. 10/700 μ s 4,000V (R=25 Ω) $\pm$ 5times
- Good impulse absorbency
- Electrostatic capacity (Maximum 0.3pF)
- Embossed tapping
- RoHS Directive-compliant components

• Impulse Absorption Characteristics

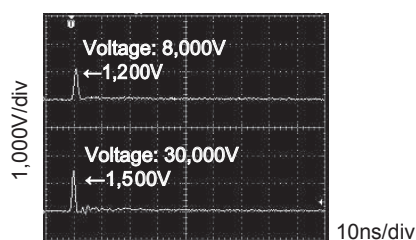
Impulse waveform 10/700 μ s-4,000V, IEC61000-4-5



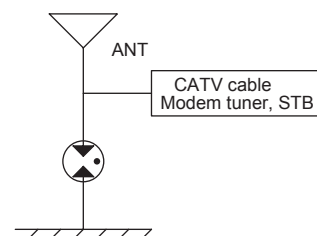
RHCA-201Q43U



IEC61000-4-2 150pF-330 Ω -XkV
RHCA-201Q31B/U
ESD impulse waveform



• Example

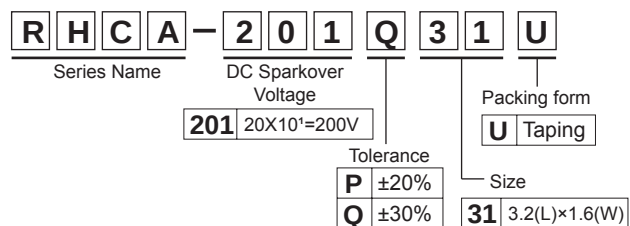


Electrical Specifications

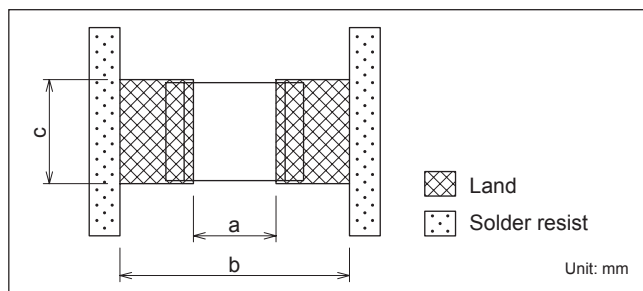
Safety Standard	Model Number *	DC Sparkover Voltage (V)	Insulation Resistance	Electrostatic Capacitance 1MHz	Impulse Life Test	Impulse Discharge Current	Impulse Withstand Voltage Capacity
	RHCA-900□31U	90	100MΩ min.(DC50V)	0.3pF max.	8/20μs, 50A 300 times	8/20μs, 500A Positive/Negative 5 times	10/700μs, 4,000V (R=25Ω) Positive/Negative 5 times (Conforms to ITU-T)
	RHCA-201□31U	200	100MΩ min.(DC100V)				
	RHCA-301□31U	300					
	RHCA-401□31U	400					
	RHCA-501□31U	500					

* □: Tolerance $\pm$ 20%=P, Tolerance $\pm$ 30%=Q

Model numbering system

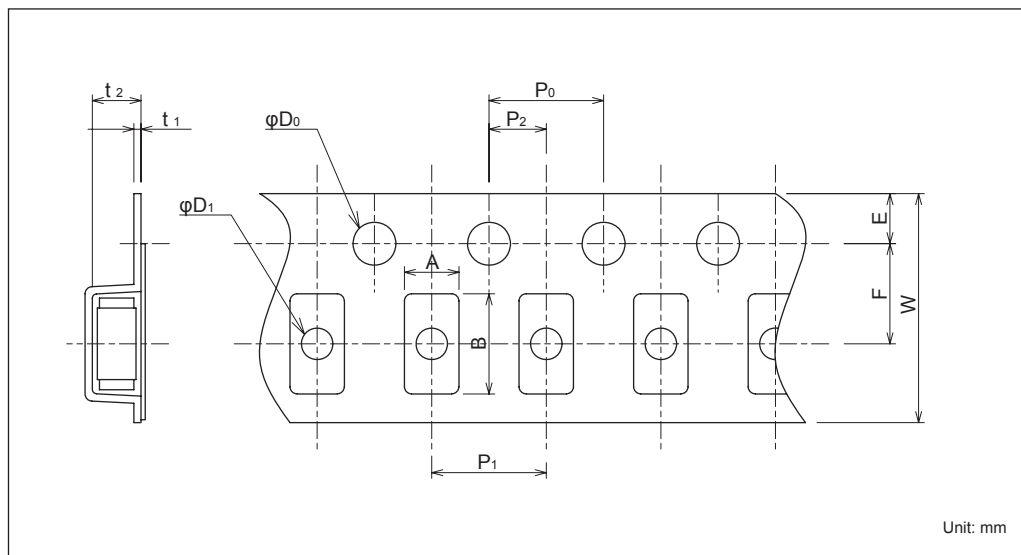


Recommended Land Pattern



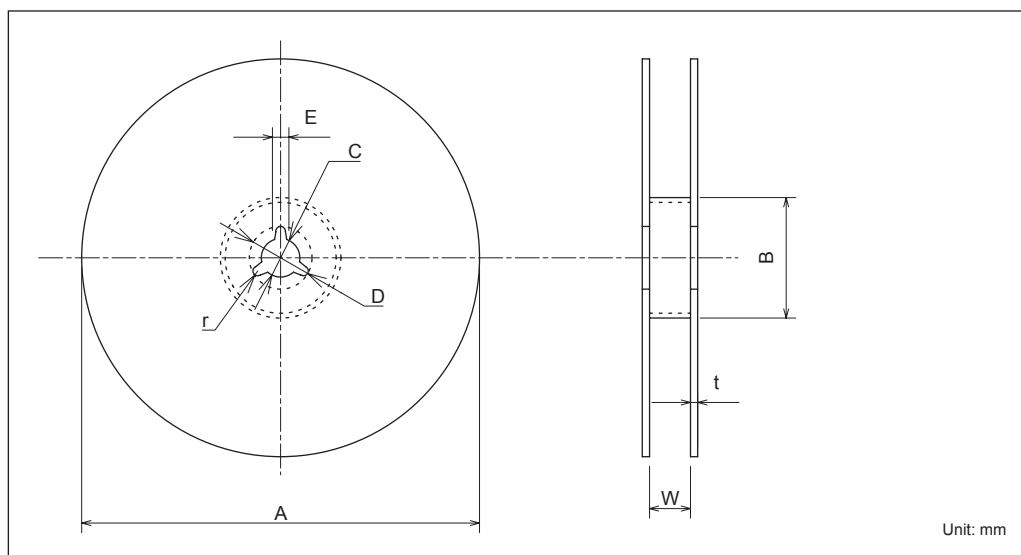
	Dimensions (mm)		
	a	b	c
Reflow Soldering	1.8 ~ 2.5	3.8 ~ 5.5	1.2 ~ 2.0
Flow Soldering		2.4 ~ 3.6	1.2 ~ 1.6

Taping Dimensions



Dimensions (mm)	
A	1.9±0.1
B	3.5±0.1
W	8.0±0.3
F	3.5±0.05
E	1.75±0.1
P1	4.0±0.1
P2	2.0±0.05
P0	4.0±0.1
D0	φ 1.5 ^{+0.1} ₋₀
D1	φ 1.1±0.1
t1	0.25±0.05
t2	1.7±0.1

Reel Dimensions (2,000pcs per one reel)



Dimensions (mm)	
A	φ 180 ⁺⁰ _{-1.5}
B	φ 60 ^{+1.0} ₋₀
C	φ 13.0±0.2
D	φ 21±0.8
E	2.0±0.5
W	9.0 ^{+1.0} _{-0.5}
t	1.6±0.5
r	1.0