



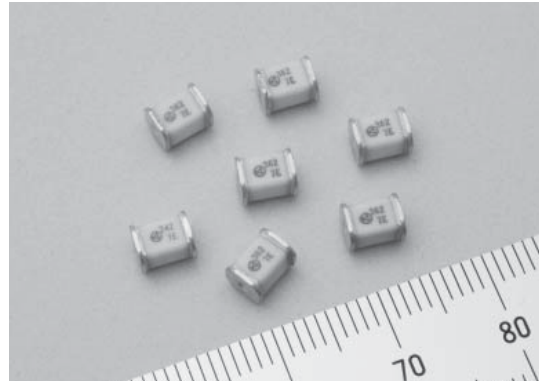
RHCA5039 series is suitable for products that need DC insulation resistance test on Line-FG, SG of a communications / signal line. Impulse current capacity is 2,000A 8/20μs.



Safety Standard		File No.
UL	:UL1449 3rd.	E322107
cUL	:C22.2 No.8	

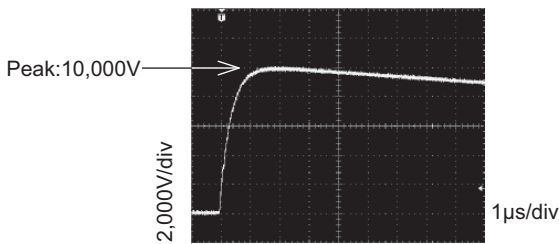
Features

- Chip surge absorber for protection from indirect lighting surge, adaptable to high density surface mount technology
- Impulse current capacity 2,000A 8/20μs
- Small electrostatic capacity(Maximum 0.6pF)

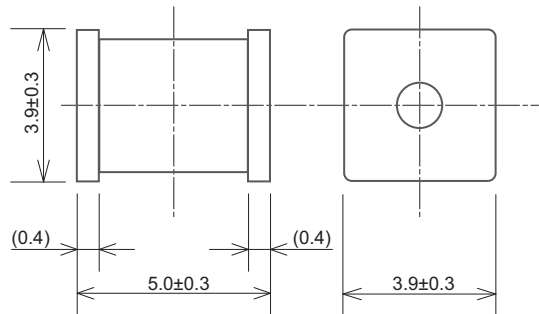


• *Impulse Absorption Characteristics*

Impulse waveform 1.2/50μs-10,000V

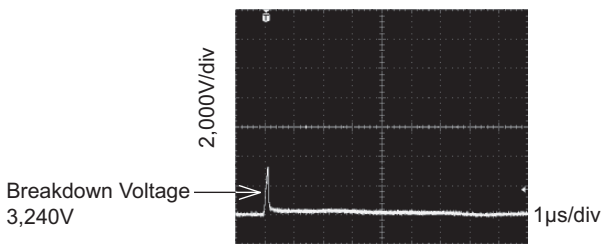


• *Dimensions*

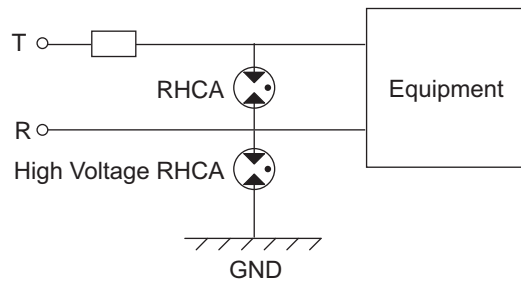


Unit: mm

RHCA-242H53U



• *Application (Example: Telecommunication Line)*

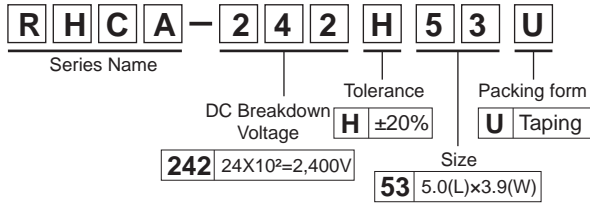


Electrical Specifications

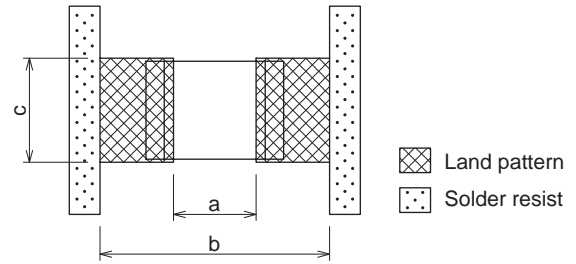
Safety Standard	Model Number	Impulse Sparkover Voltage 1.2/50μs (V) max.		Withstanding Voltage 50/60Hz	Insulation Resistance (MΩ) Min.	Capacitance 1MHz (pF) Max.	Impulse Life Test	Impulse Current Capacity	DC Breakdown voltage Reference Value (V) ±20%
		Applied Voltage	Specification						
cUL US	RHCA-242H53U *1	5,000V	4,500	AC1,000V-60sec AC1,200V-3sec	1,000 (DC500V)	0.6	8/20μs 100A 300 times	8/20μs 2,000A	2,400
	RHCA-302H53U *1,2		4,700	AC1,500V-60sec					3,000
	RHCA-362H53U *1,2		4,950	AC1,500V-60sec AC1,800V-3sec					3,600

*1 Rated voltage AC125V: Approved if it is connected to UL approved varistor (V1.0mA≥270V, D≥φ 7mm).
 *2 Rated voltage AC250V: Approved if it is connected to UL approved varistor (V1.0mA≥470V, D≥φ 7mm).

● Model numbering system



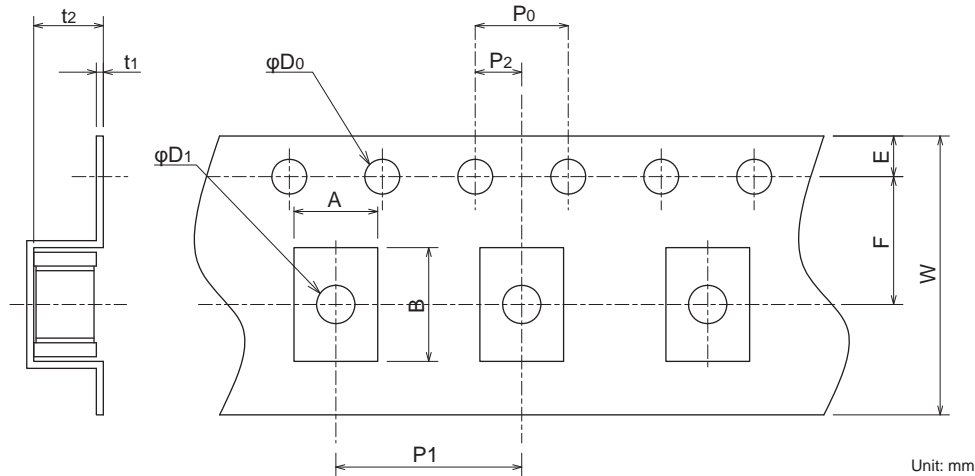
● Recommended Land Pattern (Typical value)



Unit: mm

	Dimensions (mm)		
	a	b	c
Reflow Soldering	3.7	6.5	4.3

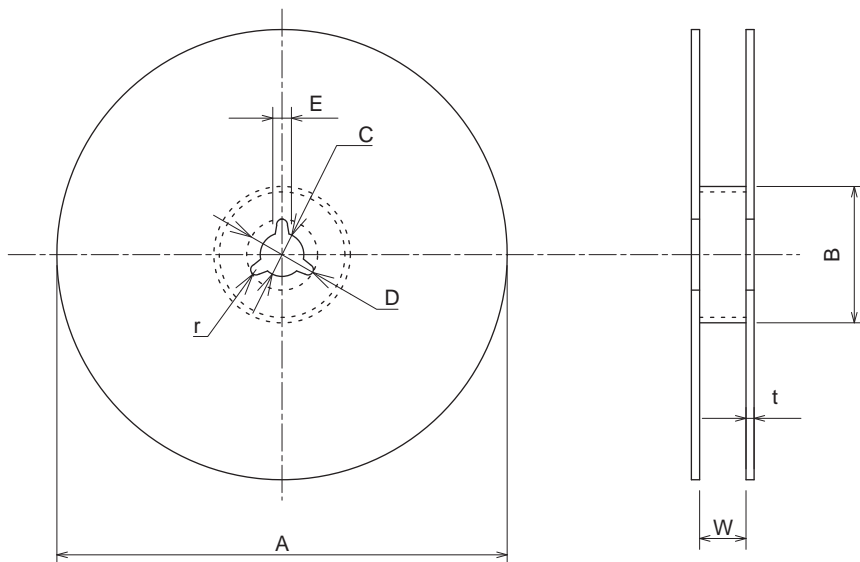
● Taping Dimensions



Unit: mm

Dimensions (mm)	
A	4.5±0.3
B	5.6±0.3
W	12.0±0.3
F	5.5±0.1
E	1.75±0.1
P ₁	8.0±0.1
P ₂	2.0±0.1
P ₀	4.0±0.1
D ₀	φ 1.55±0.1
D ₁	φ 1.5 min.
t ₁	0.40±0.2
t ₂	4.3±0.2

● Reel Dimensions (2,500pcs per one reel)



Unit: mm

Dimensions (mm)	
A	φ 380±3
B	φ 80±2
C	φ 13.0±0.5
D	φ 21±1
E	2±1
W	13.5±2.0
t	2.0±0.5
r	1.0±0.2