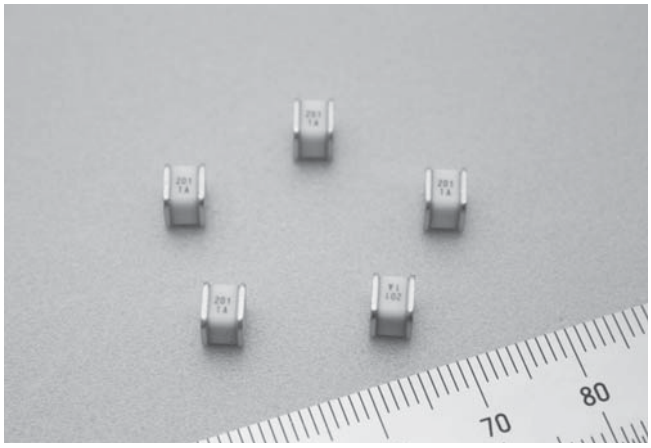
Features

- Quick response for surge
- High impulse current capacity 8/20μs-5,000A
- It can withstand alternating current
- Excellent insulation resistance and small capacitance (1.0pF max.)
- Recommendation of ITU-T conformity

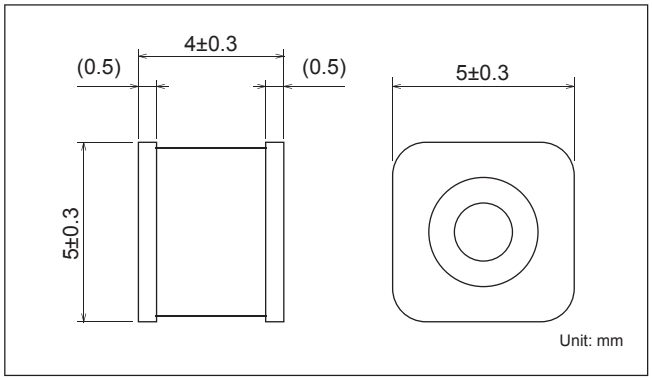
Applications

- Homegateway equipments
- Telephone, PBX, Wireless base station
- Optical transmission equipments
- CATV transmission equipments, BS / CS broadcasts equipments
- Fire alarm systems and Home security systems



NEW

● *Dimensions*



Electrical Specifications

Model Number*1	DC Sparkover Voltage (V)	Insulation Resistance min. (MΩ)	Capacitance max. (pF)	Impulse Life Test	Impulse Discharge Current
R5K-900□45U	90	1,000 (DC50V)	1.0	8/20μs, 100A 300 times	8/20μs, 5,000A Positive/Negative 5 times
R5K-151□45U	150	1,000 (DC100V)			
R5K-231□45U	230				
R5K-251□45U	250				
R5K-351□45U	350				
R5K-421□45U	420				
R5K-501□45U	500				
R5K-601□45U	600				

*1 □: Tolerance ±20%=P, Tolerance ±30%=Q

● Model numbering system

R 5 K – 2 3 1 □ 4 5 U

Series Name

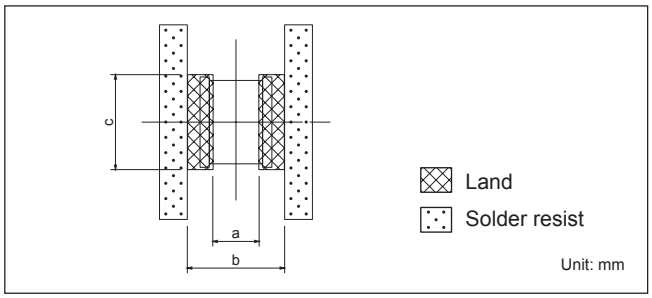
DC Sparkover Voltage: 231 = 23X10¹=230V

Tolerance: P ±20%, Q ±30%

Size: 45 = 4.0(L)×5.0(W)

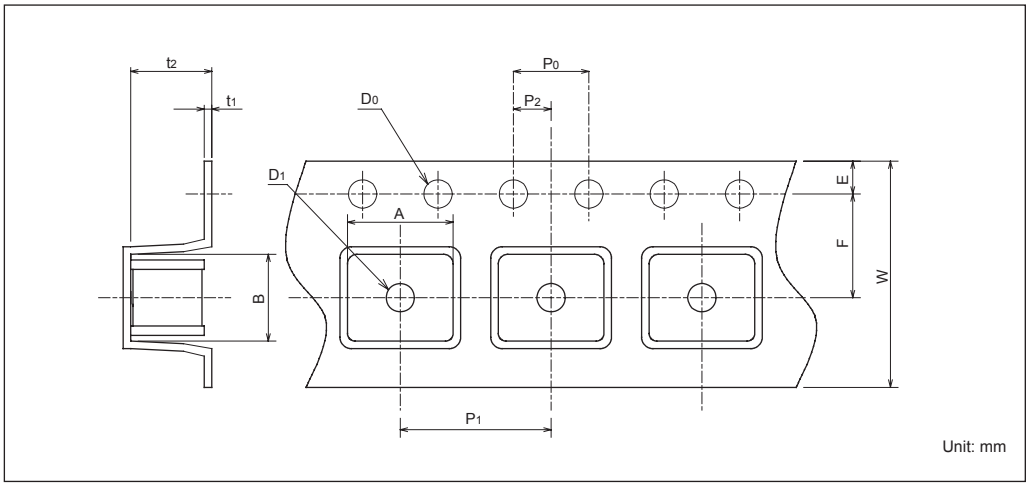
Packing form: U Taping

● *Recommended Land Pattern*



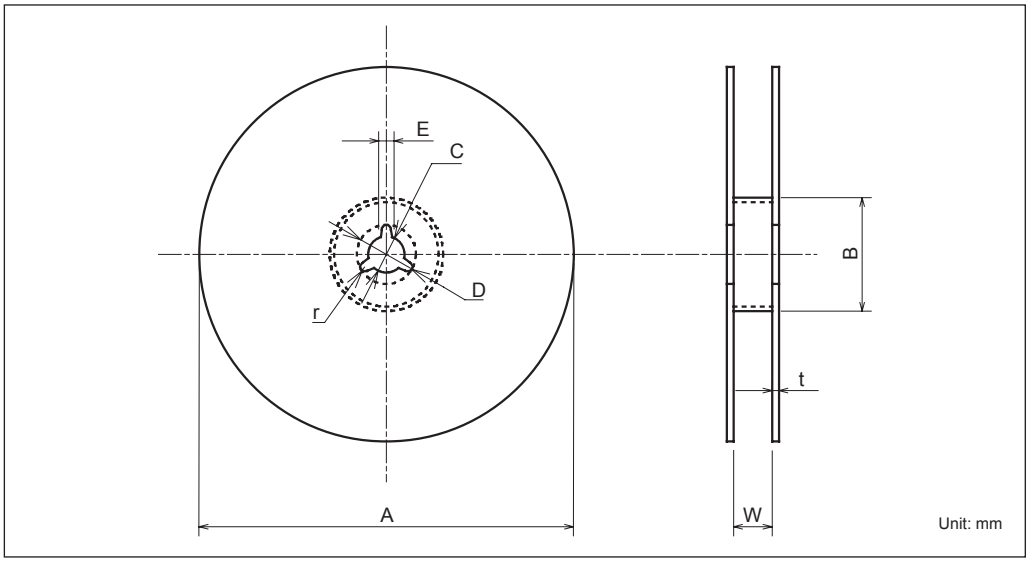
	Dimensions (mm)		
	a	b	c
Reflow Soldering	2.5	5.5	5.4

● *Taping Dimensions*



Dimensions (mm)	
A	5.6±0.3
B	4.6±0.3
W	12.0±0.4
F	5.5±0.2
E	1.75±0.2
P_1	8.0±0.2
P_2	2.0±0.2
P_0	4.0±0.2
D_0	φ 1.5±0.1
D_1	φ 1.5 min.
t_1	0.35±0.2
t_2	5.35±0.2

● *Reel Dimensions (2,000pcs per one reel)*



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