

## FEATURES

- Non-polar with 5mm height.
- Long life (1,000 hours @ 85°C).
- Solvent resistant.
- Available in taping configuration for automatic mounting.

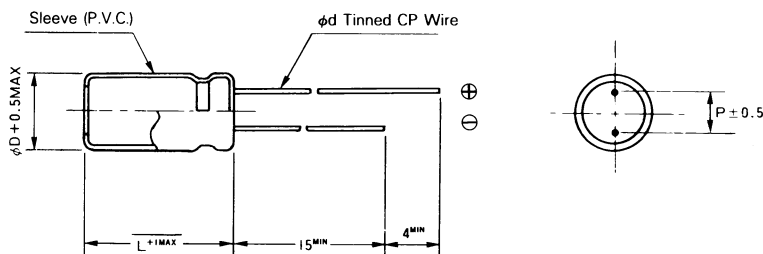
## PART NUMBERING

Part Number Example: RN5-016/100M5X5F							
RN5	-	016	/	100	M	5X5	F
Type		Rated DC Voltage		Capacitance Code (μF)*	Tolerance Code	Size	RoHs Compliant
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).							

## SPECIFICATIONS

Performance Characteristics							
Operating Temperature Range	-40°C ~ +85°C.						
Temperature Characteristics (120Hz)	Impedance Ratio						
	Rated Voltage (WVDC)	6.3	10	16	25	35	50
	Z (-25°C) / Z (+20°C)	4	3	2	2	2	2
	Z (-40°C) / Z (+20°C)	8	6	4	4	3	3
Voltage Range	6.3VDC ~ 50VDC.						
Capacitance Range	0.1μF ~ 47μF.						
Capacitance Tolerance (20°C, 120Hz)	±20%.						
Maximum Dissipation Factor (20°C, 120Hz)	Rated Voltage (WVDC)	6.3	10	16	25	35	50
	DF %	24	20	17	17	15	15
Maximum Leakage Current (after 2 minutes)	I=0.05CV or 10μA, whichever is greater.						
Applicable Standards	Characteristics of JIS C-5141.						
Load Life Test (85°C)	After 2000 hours' application of rated voltage, reversing polarity at every 250 hours, capacitors meet the characteristics requirements mentioned below.						
	Capacitance Change	Within ±20% of initial value.					
	DF	200% or less of initial specified value.					
	Leakage Current	Initial specified value or less.					
Shelf Life (85°C)	After leaving capacitors under no load for 1000 hours and applying voltage according to JIS C- 5102 4-3, they meet the specified value for load life characteristics listed above.						

## DIMENSIONS



## DIMENSIONS (UNIT: mm)

D	4	5	6.3
P	1.5	2.0	2.5
d∅	0.45		

CASE SIZE OF STANDORD PRODUCTS (DXL (mm))

Cap. (µF)		WVDC					
		6.3	10	16	25	35	50
0.10	OR1						4x5
0.22	R22						4x5
0.33	R33						4x5
0.47	R47						4x5
1.0	010						4x5
2.2	2R2					4x5	5x5
3.3	3R3				5x5	5x5	5x5
4.7	4R7			4x5	5x5	5x5	6.3x5
10	100		4x5	5x5	6.3x5	6.3x5	
22	220	5x5	6.3x5	6.3x5			
33	330	6.3x5	6.3x5	6.3x5			
47	470	6.3x5					

MAXIMUM RIPPLE ((mA) 85°C, 120Hz)

Cap. (µF)		WVDC					
		6.3	10	16	25	35	50
0.10	OR1						1
0.22	R22						2
0.33	R33						3
0.47	R47						5
1.0	010						7
2.2	2R2					6	12
3.3	3R3				14	15	15
4.7	4R7			15	17	18	19
10	100		21	24	27	28	
22	220	29	37	40			
33	330	41	45	49			
47	470	49					