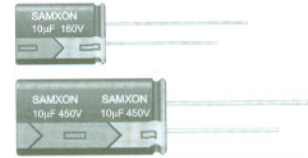


RH Series

+105°C, High Ripple Current(高紋波), Long Life Assurance(長壽命)

FEATURES

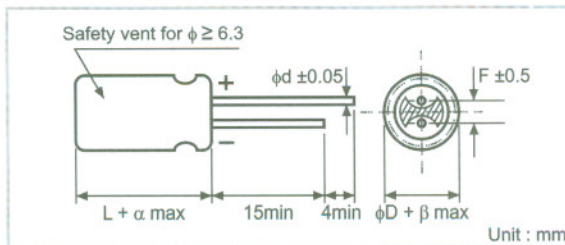
1. High ripple current at high frequency, load life of 10000~12000 hours at 105°C
2. For electronic ballast



SPECIFICATIONS

Item	Performance Characteristics						
Operating Temperature Range	-40 to +105°C			-25 to +105°C			
Rated Working Voltage Range	160 to 400V			450V			
Nominal Capacitance Range	6.8 to 220µF						
Capacitance Tolerance	±20%(120Hz, +20°C)						
Leakage Current	I ≤ 0.02CV + 10(µA) after 2minutes at +20°C			I ≤ 0.03CV + 10(µA) after 2minutes at +20°C			
Dissipation Factor tanδ (120Hz, 20°C)	Working Voltage(V)	160	200	250	350	400	450
	tanδ(max.)	0.08	0.08	0.08	0.08	0.08	0.12
Low Temperature Characteristics	Impedance ratio max. at 120Hz						
	Working Voltage(V)	160	200	250	350	400	450
	Z-25°C/Z+20°C	3	3	3	5	5	6
	Z-40°C/Z+20°C	6	6	6	6	6	-
High Temperature Loading	After application of the rated voltage at 105°C for 10000hours(Φ ≤ 10), 12000hours(Φ > 10), the capacitors shall meet the following requirements. Capacitance change : within ±20% of the initial value tanδ: ≤ 200% of initial specified value Leakage current : ≤ Initial specified value						
Shelf Life	After leaving capacitors under no load at 105°C for 1000hours, capacitors shall meet specified value for load life characteristics listed above.						
Others	JIS C-5101(IEC 60384)						

CASE SIZE TABLE

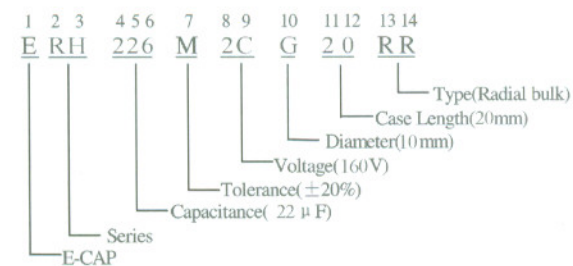


φD	10	12.5	16	18				
F	5.0	5.0	7.5	7.5				
φd	0.6	0.6	0.8	0.8				
α			(L < 20) 1.5		(L ≥ 20) 2.0			
β			(D < 20) 0.5		(D ≥ 20) 1.0			

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient					
Frequency	60Hz	120Hz	1kHz	10kHz	100kHz
Coefficient	0.40	0.50	0.80	0.90	1.00

PART NUMBER SYSTEM(EXAMPLE: 160V22 µF)



RH

Miniature Aluminum Electrolytic Capacitors

RH Series

SAMXON®

+105°C, High Ripple Current(高紋波), Long Life Assurance(長壽命)

STANDARD RATING

Voltage(Code)		160V(2C)		200V(2D)		250V(2E)		350V(2V)	
Cap.(μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
6.8	685							10x16	220
10	106	10x16	250	10x16	250	10x20	300	10x20	280
22	226	10x20	500	10x20	500	12.5x20	600	12.5x25	350
33	336	10x20	565	12.5x20	600	12.5x20	630	16x20	600
47	476	12.5x20	725	12.5x20	780	12.5x25	720	16x25	700
						16x20	750	18x20	750
68	686	12.5x25	950	12.5x25	950	16x25	1000	16x30	1100
		16x20	970	16x20	970	18x20	920	18x25	875
100	107	16x25	1280	16x25	1280	16x30	1400		
		18x20	1180	18x20	1180	18x25	1345		
150	157	16x30	1360	16x30	1360	18x30	1500		
		18x25	1360	18x25	1360				
220	227	16x30	1400	18x30	1700				
		18x25	1400						

Maximum Allowable Ripple Current(mA rms)at 105°C 100kHz

Case Size Φ DxL(mm)

Voltage(Code)		400V(2G)		450V(2W)					
Cap.(μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current				
6.8	685	10x16	220	10x20	150				
10	106	10x20	280	12.5x20	320				
22	226	12.5x25	430	16x25	560				
		16x20	600	18x20	560				
33	336	16x25	640	16x30	700				
		18x20	640	18x25	700				
47	476	16x30	840	18x30	900				
		18x25	840						
68	686	18x30	1000						

Maximum Allowable Ripple Current(mA rms)at 105°C 100kHz

Case Size Φ DxL(mm)

RH