

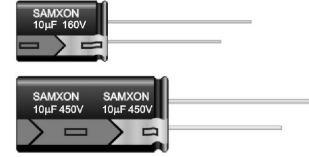
RH Series



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

FEATURES

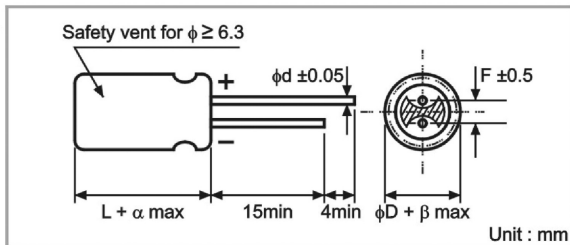
1. High ripple current at high frequency, load life of 10000~12000 hours at 105°C.
2. For electronic ballast.



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	1 to 220µF	
Capacitance Tolerance	±20% (120Hz, +20°C)	
Leakage Current	I ≤ 0.02CV + 25(µA) after 2 minutes application of rated working voltage at +20°C	
tan δ (120Hz, +20°C)	Working Voltage (V)	160 200 250 350 400 450
	tan δ (Max.)	0.15 0.15 0.15 0.20 0.20 0.20
Low Temperature Characteristics	Impedance ratio max. at 120Hz	
	Rated Voltage (V)	160 200 250 350 400 450
	Z-25°C / Z+20°C	3 3 3 5 5 6
High Temperature Loading	Test conditions	Post test requirements at +20°C
	Duration: ϕD 10 12.5~18 Load life 10000h 12000h	Leakage current : ≤ Initial specified value Cap. change : within ±20% of initial measured value tan δ : ≤ 200% of initial specified value
Shelf Life	Test conditions	Post test requirements at +20°C
	Duration : 1000 hours Ambient temp. : +105°C Applied voltage : (None)	Leakage current : ≤ Initial specified value Cap. change : within ±20% of initial measured value tan δ : ≤ 200% of initial specified value
Others	JIS C - 5101 (IEC 60384)	

CASE SIZE TABLE

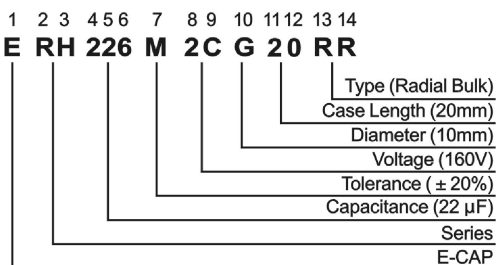


ϕD	8	10	12.5	16	18				
F	3.5	5.0	5.0	7.5	7.5				
ϕd	0.5	0.6	0.6	0.8	0.8				
α	(L < 20) 1.5				(L ≥ 20) 2.0				
β	(D < 20) 0.5				(D ≥ 20) 1.0				

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient					
Cap(µF)	Coefficient	120	1k	10k	100k
1~5.6		0.20	0.40	0.80	1.00
6.8~180		0.40	0.75	0.90	1.00
≥220		0.50	0.85	0.94	1.00

PART NUMBER SYSTEM(EXAMPLE:160V22 µ F)



RH

Miniature Aluminum Electrolytic Capacitors

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

STANDARD RATINGS

Voltage (Code)		160V (2C)		200V (2D)		250V (2E)		350V (2V)	
Cap.(μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
6.8	685							10 x 16	220
10	106	10 x 16	250	10 x 16	250	10 x 20	300	10 x 20	280
22	226	10 x 20	500	10 x 20	500	12.5 x 20	600	12.5 x 25	350
33	336	10 x 20	565	12.5 x 20	600	12.5 x 20	630	16 x 20	600
47	476	12.5 x 20	725	12.5 x 20	780	12.5 x 25	720	16 x 25	700
						16 x 20	750	18 x 20	750
68	686	12.5 x 25	950	12.5 x 25	950	16 x 25	1000	16 x 30	1100
		16 x 20	970	16 x 20	970	18 x 20	920	18 x 25	875
100	107	16 x 25	1280	16 x 25	1280	16 x 30	1400		
		18 x 20	1180	18 x 20	1180	18 x 25	1345		
150	157	16 x 30	1360	16 x 30	1360	18 x 30	1500		
		18 x 25	1360	18 x 25	1360				
220	227	16 x 30	1400	18 x 30	1700				
		18 x 25	1400						

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

Case Size ΦDxL(mm)

Voltage (Code)		400V (2G)		450V (2W)					
Cap.(μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current				
1	105	8 x 12	38						
		10 x 12.5	56						
1.5	155	8 x 12	72						
		10 x 12.5	80						
1.8	185	8 x 12	76						
		10 x 12.5	96						
2.2	225	8 x 12	76						
		10 x 12.5	112						
3.3	335	10 x 12.5	120						
4.7	475	10 x 16	176	10 x 20	120				
5.6	565	10 x 16	200	10 x 20	135				
6.8	685	10 x 16	220	10 x 20	150				
10	106	10 x 20	280	12.5 x 20	320				
22	226	12.5 x 25	430	16 x 25	560				
		16 x 20	600	18 x 20	560				
33	336	16 x 25	640	16 x 30	700				
		18 x 20	640	18 x 25	700				
47	476	16 x 30	840	18 x 30	900				
		18 x 25	840						
68	686	18 x 30	1000						

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

Case Size ΦDxL(mm)

RH

Miniature Aluminum Electrolytic Capacitors

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.