

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



RH

For Ballast High Ripple Current Series

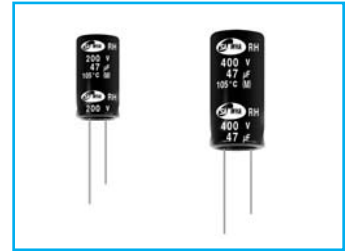
- High ripple current
- High reliability withstanding 5000 hours load life at 105°C
- Suited for ballast application



Long Life



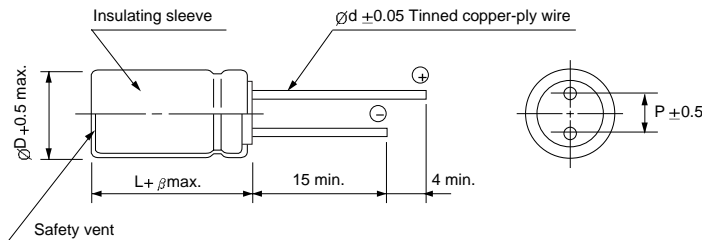
Solvent Proof
WV ≤ 200V



Item	Characteristics						
Operating temperature range	WV		160 ~ 350			400, 450	
	Temperature range		-40 ~ +105°C			-25 ~ +105°C	
Leakage current max.	I = 0.02CV + 15µA (after 5 minutes)						
Capacitance tolerance	±20% at 120Hz, 20°C						
Dissipation factor max. (at 120Hz, 20°C)	WV	160	200	250	350	400	450
	tan δ	0.15	0.15	0.15	0.20	0.24	0.24
Low temperature characteristics (Impedance ratio at 120Hz)	WV	160~250		350	400	450	
	Z-25°C/Z+20°C	3		4	6	8	
Load life	After an application of DC bias voltage plus the rated AC ripple current for 5000 hours at 105°C. The measurement shall meet the following limits.						
	Leakage current			Less than specified value			
	Capacitance change			Within ±20% of initial value			
	tan δ			Less than 200% of specified value			
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tan δ are same as load life value.						

DRAWING

Unit : mm



ØD	10	12.5	16
P	5.0	5.0	7.5
Ød	0.6	0.6	0.8
β	2.0		

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF \ WV	160	200	250	350	400	450
10	10 × 16 250	10 × 16 250	10 × 20 280	10 × 20 250	10 × 20 250	12.5 × 20 300
22	10 × 20 500	10 × 20 500	12.5 × 20 600	12.5 × 20 350	12.5 × 25 400	16 × 25 550
33	10 × 20 500	12.5 × 20 600	12.5 × 20 600	16 × 20 500	16 × 25 600	16 × 31.5 700
47	12.5 × 20 600	12.5 × 20 600	12.5 × 25 700	16 × 25 650	16 × 31.5 750	
68	12.5 × 25 600	12.5 × 25 750	16 × 25 1000	16 × 31.5 800		
100	16 × 25 600	16 × 25 1100	16 × 31.5 1200	Case size ØD × L (mm) Ripple current (mA rms) at 105°C, 100kHz		
150	16 × 31.5 1300	16 × 31.5 1300				

* Note : Please contact to Samwha technical department when these series are being designed in your application.