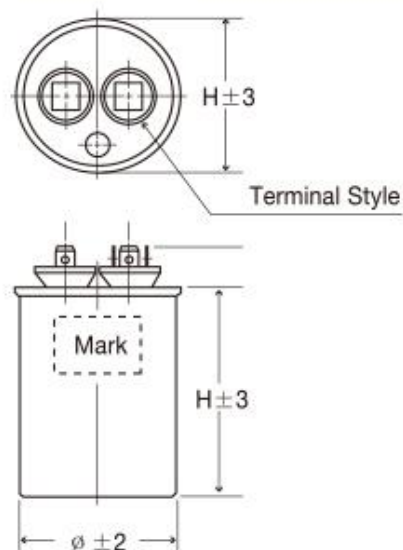


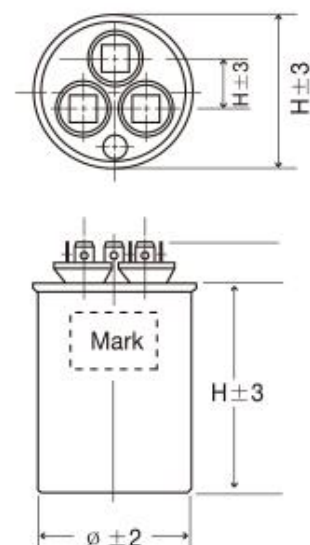
METALLIZED FILM CAPACITOR FOR ELECTRICAL APPARATUS (INNER SAFETY PROTECTION DEVICE)

- Inner Safety Protection Device (Pressure Sensitive interrupter)
- In certain instances capacitor failure may result in case rupture due to gases generated internally.
- Even if rupture does occur, the probability of fire is still low as the right conditions of temperature and source of ignition must be present.
- In order to reduce the possibility of capacitors rupture, OHYOUNG incorporates an internal protection mechanism into capacitors where the construction and application conditions allow.
- The listings of each family of capacitors indicate if internal protection is included or not.
- The protective mechanism is the Pressure Sensitive interrupter.
- It senses the Build-up of pressure within the capacitor and interrupts the internal connections taking the capacitor out of the circuit before rupture can occur. As shown in the figure.
- The fault current is the maximum current that circuit can provide if the capacitor becomes a short circuit.
- Capacitance : See table
- Capacitance Tolerance : +10 -5%
- Rated Voltage : See table
- Rated Frequency : 50Hz and/or 60Hz
- Maximum Ambient Temperature : -25°C to + 80°C
- Withstanding voltage : Between terminal → Rated voltage x 2 VAC, 60sec
Between terminal (Tied together) and case → Rated voltage x 2 + 1,000 VAC (min 2,000VAC), 60sec
- Insulation Resistance : Between the collected terminal and the case → 2,000MQ or greater
- Seal Ability : There shall be no oil leakages even if left for 1 hour under a constant temperature of 80°C
- Internal Protection : Pressure sensitive interrupter
- Fault Current : 10, 000 AFC
- Class of Reliability : Class B (10,000hr)

**Dimensions of VAL Series
Single Capacitance, Seamming Type**



**Dimensions of VAL Series
Dual Capacitance, Seamming Type**



Single Capacitance, Seaming Type Dimension

Rated Capacity (μF)	220/250VAC		300/330VAC		350/370VAC		400VAC		450VAC	
	Dimension (mm)		Dimension (mm)		Dimension (mm)		Dimension (mm)		Dimension (mm)	
	φ	Height	φ	Height	φ	Height	φ	Height	φ	Height
2.0	40	55	40	55	40	55	40	55	40	55
3.0	40	55	40	55	40	55	40	55	40	55
3.5	40	55	40	55	40	55	40	55	40	55
4.0	40	55	40	55	40	55	40	55	40	55
4.5	40	55	40	55	40	55	40	55	40	55
5.0	40	55	40	55	40	55	40	55	40	55
6.0	40	55	40	55	40	55	40	65	40	65
7.0	40	55	40	55	40	55	40	65	40	65
8.0	40	55	40	55	40	55	40	65	40	65
9.0	40	55	40	55	40	65	40	65	40	65
10	40	55	40	55	40	65	40	75	40	75
12	40	55	40	55	40	75	40	75	40	75
12.5	40	55	40	55	40	75	40	100	40	100
13	40	55	40	65	40	75	40	100	40	100
14	40	55	40	65	40	75	40	100	40	100
15	40	55	40	65	40	75	40	100	40	100
16	40	55	40	65	40	85	40	100	40	100
17	40	65	40	75	40	85	40	100	40	100
17.5	40	65	40	75	40	85	40	100	40	100
18	40	65	40	75	40	85	45	100	45	100
20	40	65	40	75	40	100	45	100	45	100
22	40	65	40	85	40	100	45	100	45	100
25	40	75	40	85	45	100	50	100	50	100
27	40	75	40	95	45	100	50	100	50	100
30	40	85	40	85	45	100	50	100	50	100
35	40	85	45	100	50	100	50	125	50	125
40	40	85	45	100	50	100	50	125	50	125
45	40	85	45	115	63	100	63	125	63	125
50	40	100	45	115	63	100	63	125	63	125
55	40	100	45	125	63	100				
60	40	100	50	125	63	100				
65	50	100	50	125						
70	50	100	50	125						
75	50	100	50	125						
80	50	100	63	125						
85	63	125								
90	63	125								
95	63	125								
100	63	125								

Dual Capacitance, Seaming Type Dimension

Rating (μF)	220/250VAC		370/400VAC		440/450VAC	
	CASE		CASE		CASE	
	Style	Height	Style	Height	Style	Height
7.0/1.5	50	85	50	85	50	85
7.0 / 3.0	50	85	50	85	50	85
10 / 1.5	50	85	50	85	50	85
10 / 3.0	50	85	50	85	50	85
10 / 5.0	50	85	50	85	50	85
15 / 3.0	50	85	50	85	50	85
15 / 4.0	50	85	50	85	50	85
15 / 5.0	50	85	50	85	50	85
15 /10.0	50	85	50	85	63	95
15 /15.0	50	85	50	85	63	95
20 / 3.0	50	85	50	85	63	85
20 / 4.0	50	85	50	85	63	85
20 / 5.0	50	85	50	85	63	85
20 / 10.0	50	85	50	85	63	95
25 / 3.0	50	85	50	85	63	85
25 / 4.0	50	85	50	85	63	85
25 / 5.0	50	85	50	85	63	85
25 / 7.5	50	85	50	85	63	85
25 / 10.0	50	85	50	85	63	95
30 / 3.0	50	95	50	95	63	85
30 / 4.0	50	85	50	95	63	85
30 / 5.0	50	85	50	95	63	85
30 / 7.5	50	85	50	95	63	85
30 / 10.0	50	95	50	100	63	95
30 / 12.0	50	95	50	100	63	95
30 / 15.0	50	95	63	85	63	100
35 / 3.0	50	85	63	85	63	85
35 / 4.0	50	85	63	85	63	85
35 / 5.0	50	85	50	100	63	85
35 / 7.5	50	85	50	105	63	95
35 / 10.0	50	95	50	110	63	95
40 / 3.0	50	95	63	85	63	85
40 / 4.0	50	95	63	85	63	95
40 / 5.0	50	95	50	105	63	95
40 / 7.5	50	95	50	115	63	95
40 / 12.0	50	100	50	100	63	95
40 / 15.0	50	100	50	115	63	100
45 / 3.0	50	95	63	85	63	95
45 / 4.0	50	95	63	85	63	95
45 / 5.0	50	95	50	115	63	95
45 / 6.0	50	95	50	115	63	95
45 / 7.5	50	95	50	125	63	95
50 / 3.0	50	95	63	85	63	105
50 / 4.0	50	95	63	85	63	105
50 / 5.0	50	95	63	85	63	105
50 / 10.0	50	110	63	100	63	110
60 / 7.5	50	110	63	125	63	125

We can satisfy your special sizes.