

HUA

SERIES

Designed for audio power amplifier use, 2 capacitances/outlets for option.
Lowest DF/ESR.

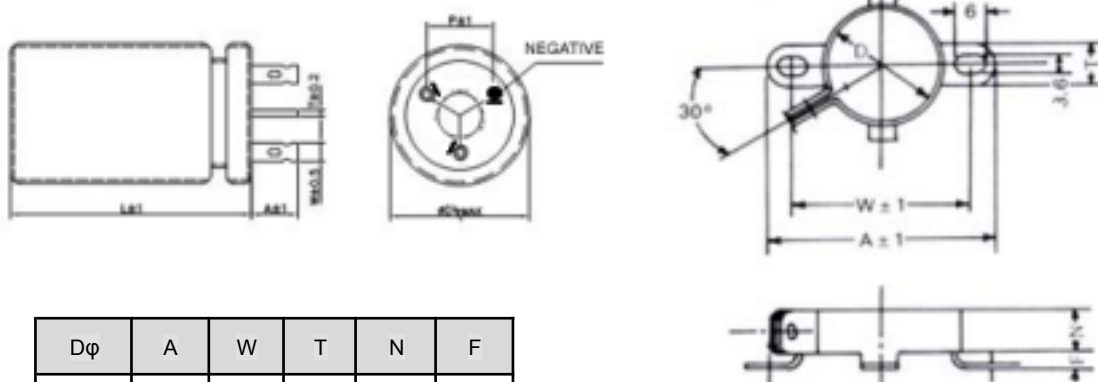
■ SPECIFICATIONS

ITEMS	CHARACTERISTIC			
Rated Voltage Range	350v 450v 500vDC			
Operating TemperatureRange	-25℃ ~ +85 ℃			
Capacitance Tolerance	±20(M) ,120Hz 20 ℃			
Leakage Current	I =0.03CV+15 Whichever is smaller after 5 minutes where I= Leakage Current , C = Rated Capacitance , V = rated DC working voltage			
Dissipation Factor (tanδ) 120Hz,20℃	at 120Hz , 20℃			
	Rated voltage	350v	450v	500v
	tanδ(max)	0.20	0.25	0.25
Low Characteristics	Impedance ratio at 120Hz			
	Rated voltage	350v	450v	500v
	Z(-25℃)/Z(-20℃)	8	8	8
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied for 1000 hrs at 85℃ .			
	Test Time	1000 Hrs		
	Capacitance Change	≤±25% of initial value		
	Dissipation Factor	Less than 200% of specified value		
	Leakage Current	Within specified value		
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 500 hrs at 85℃ without voltage applied.			
	Test Time	500Hrs		
	Capacitance Change	≤±25%		
	Dissipation Factor	Less than 200% of specified value		
	Leakage Current	Less than 200% of specified value		

RICHEY ALUMINUM ELECTROLYTIC CAPACITORS **HUA** series

■ MS3 DIMENTIONS (mm)

(Mounting Holder)



unit : mm

Dφ	A	W	T	N	F
25	57	37	10	7	4
35	65	45	10	9	4

■ MS3 STANDARD PRODUCTS TABLE

Dφ x L (mm)

WV(VDC) Cap (∝F)	350 V		450 V		500 V	
10 + 10			25 x 40	110	25 x 40	170
16 + 16					25 X 50	180
22 + 22			25 x 65	160	25 x 65	210
33 + 33			25 x 70	200	25 x 70	245
40 + 40					25 x 70	255
47 + 47	25 x 65	220	35 x 60	200	35 x 70	270
100 + 100	35 x 70	550	35 x 110	550	35 x 110	650
220 + 220	35 x 110	700				

* Allowable ripple current showed in this table are for each single terminal only. Ripple current (mA) at 85°C 120Hz

Capacitance 120Hz 20°C (uf)	W.V (V.DC) V	Series	DF 120Hz 20°C tan δ	ESR. 120Hz 20°C mΩ	Ripple Current 120Hz 85°C (mA)	# Of Solder Lugs
47	350	TR	0.15	3.54	240	2
100	350	TR	0.15	1.67	430	2
220	350	TR	0.15	1.29	880	2
330	350	TR	0.15	0.94	1100	2
470	350	TR	0.15	0.68	1500	2
22	450	TR	0.15	7.58	210	2
33	450	TR	0.15	5.05	230	2
47	450	TR	0.15	3.56	280	2
100	450	TR	0.15	1.96	550	2
220	450	TR	0.15	1.12	1010	2
10	500	TR	0.15	12.28	190	2
22	500	TR	0.15	9.17	210	2
33	500	TR	0.15	7.15	250	2
47	500	TR	0.15	5.36	355	2
100	500	TR	0.15	3.52	600	2
220	500	TR	0.15	1.96	1100	2
47 + 47	350	HUA	0.15	3.24	220	3
100 + 100	350	HUA	0.15	1.56	550	3
220 + 220	350	HUA	0.15	1.16	700	3
10 + 10	450	HUA	0.15	11.06	110	3
22 + 22	450	HUA	0.15	7.19	160	3
33 + 33	450	HUA	0.15	4.82	200	3
47 + 47	450	HUA	0.15	3.36	200	3
100 + 100	450	HUA	0.15	1.81	550	3
10 + 10	500	HUA	0.15	12.03	170	3
16 + 16	500	HUA	0.15	10.02	180	3
22 + 22	500	HUA	0.15	8.36	210	3
33 + 33	500	HUA	0.15	6.88	245	3
40 + 40	500	HUA	0.15	5.60	255	3
47 + 47	500	HUA	0.15	5.12	270	3
100 + 100	500	HUA	0.15	3.30	650	3

Ordering Code

HUA	-	XXYY	-	10	-	500	-	MS3
SERIES	CAN SIZE		DUAL CAPACITANCE		WORKING VOLTAGE		# of LUGS	
			10=10uF+10uF					
			16=16uF+16uF					
			20=20uF+20uF					
TR	XX= Dia (mm)		22=22uF+22uF		350V		MS = 2 Lug	
TRH	YY= Length (mm)		30=30uF+30uF		450V		MS3 = 3 Lugs	
TH			33=33uF+33uF		500V			
CT			40=40uF+40uF					
HUA			47=47uF+47uF					
			50=50uF+50uF					

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