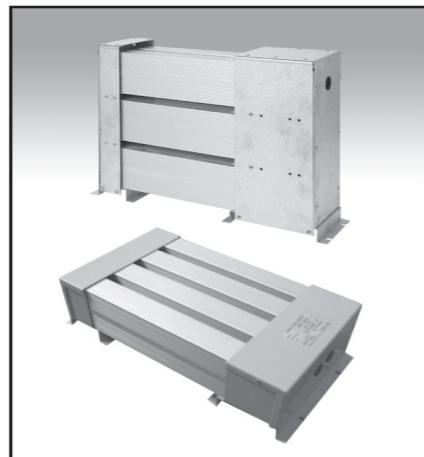


Low Cost Resistor Assembly(LCA(V))

Preliminary version

These economical and powerful components comprise two, three or four high power resistors housed in partial steel covers at each end. These rugged, powder coated covers ensure an excellent seal. The internal resistors use aluminum plates at each end instead of our standard cement molding. This innovation reduces construction time and reduces cost, at no reduction of performance. The major application of this exciting new model is high power inverter braking units.



GENERAL SPECIFICATIONS

Model	Internal Resistor Type	Power Rating in free air [W]	Resistance Range [ohms]		Resistance Tolerance (%)
			Inductive	Non-Inductive	
LCAH 3200	ULV 1600X2	1.0k	2.3 - 160	0.6 - 46	J [±5] K [±10]
LCAH 4000	ULV 2000X2	1.2k	3.0 - 220	0.9 - 61	
LCAH 4800	ULV 2400X2	1.3k	4.0 - 280	1.0 - 74	
LCAH 5600	ULV 2800X2	1.4k	4.5 - 270	1.0 - 67	
LCAH 4800	ULV 1600X3	1.3k	0.75 - 265	0.9 - 69	
LCAH 6000	ULV 2000X3	1.4k	1.0 - 330	1.2 - 91	
LCAH 7200	ULV 2400X3	1.5k	1.5 - 420	1.5 - 111	
LCAH 8400	ULV 2800X3	1.6k	1.5 - 390	1.5 - 100	
LCAH 6400	ULV 1600X4	1.7k	0.5 - 340	1.2 - 92	
LCAH 8000	ULV 2000X4	1.9k	0.75 - 440	1.8 - 122	
LCAH 9600	ULV 2400X4	2.1k	1.0 - 560	2.0 - 148	
LCAH 11200	ULV 2800X4	2.3k	1.1 - 520	2.0 - 134	
LCAV 9600	ULV 1600X6	3.0k	0.25 - 528	0.1 - 138	
LCAV 12000	ULV 2000X6	3.6k	0.33 - 678	0.1 - 183	
LCAV 14400	ULV 2400X6	3.9k	0.41 - 864	0.1 - 222	
LCAV 16800	ULV 2800X6	4.2k	0.5 - 810	0.12 - 201	

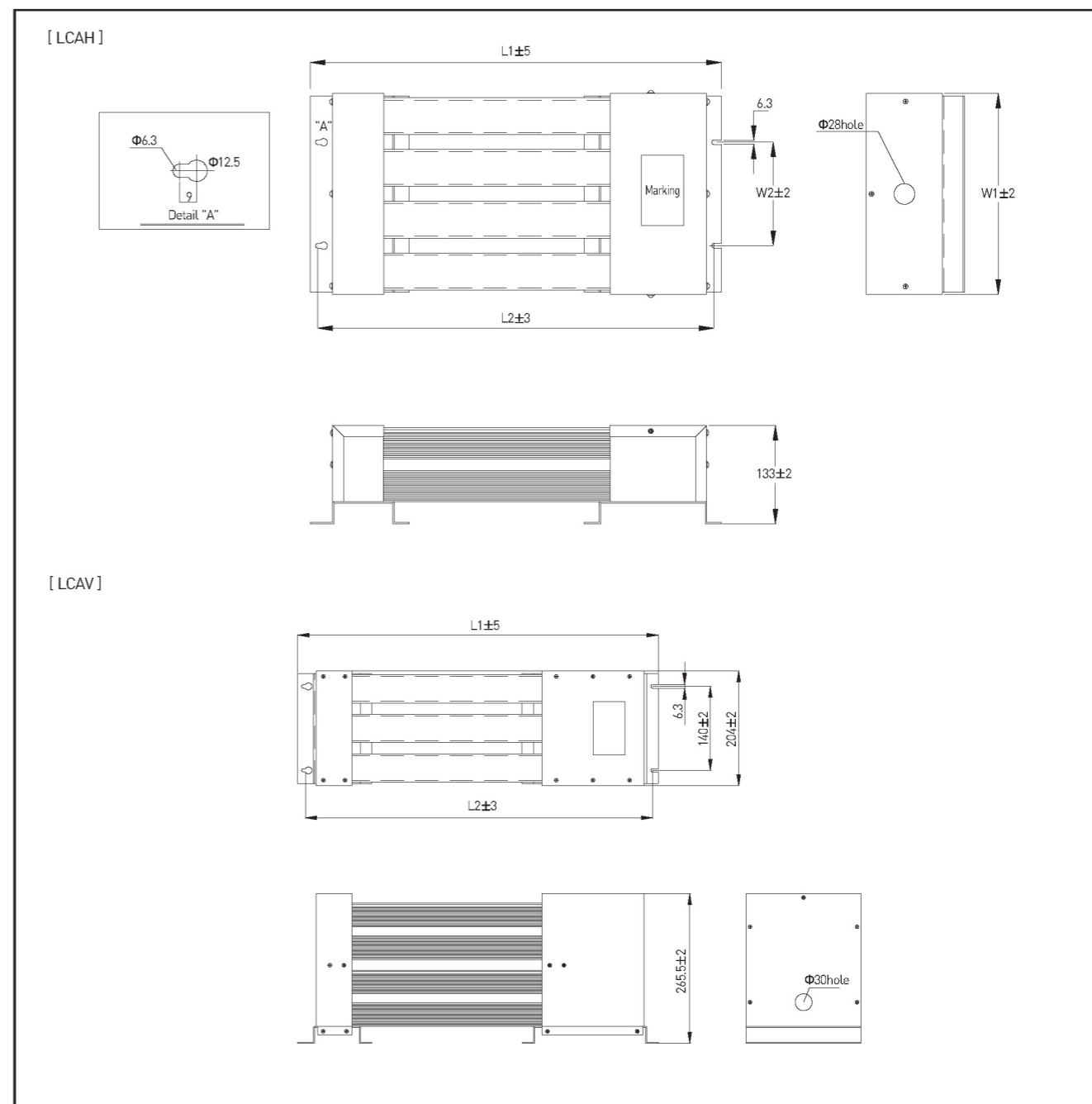
CHARACTERISTICS

Values in [] mean change in ohmic value after test

Temperature Range	-55°C to +275°C
Insulation Resistance	20MΩ minimum
Dielectric Withstanding Voltage	Available options: AC1500V, 3500V(maximum leakage current: 2mA)
Temp. Coefficient	±260ppm/C maximum
Short Time Overload	± [2%+0.05Ω] 10 X Power rating 5 sec.
Moisture Resistance	± [3%+0.05Ω] 40C, 95% RH, DC100V case to terminal, 500 hours
Thermal Shock	± [2%+0.05Ω] Power rating 30 minutes, -25°C 15 minutes
Vibration	± [2%+0.05Ω] 10Hz-55Hz-10Hz (1 minute), 2 hours each direction.
Load life	± [5%+0.05Ω] Power rating 1.5 hours on, 30 minutes off, 500 hours

DIMENSIONS [mm]

Model	Weight [Kg]	Dimensions [mm]			
		L1±5	L2±3	W1±2	W2±2
LCAH 3200	6.5	484	463	134	79
LCAH 4000	7.5	554	533		
LCAH 4800	8.5	634	613		
LCAH 5600	10.0	704	683		
LCAH 4800	9.0	484	463	204	140
LCAH 6000	11.0	554	533		
LCAH 7200	13.0	634	613		
LCAH 8400	15.0	704	683		
LCAH 6400	12.0	484	463	274	140
LCAH 8000	14.0	554	533		
LCAH 9600	16.5	634	613		
LCAH 11200	19.0	704	683		
LCAV 9600	16.5	539	519	125	79
LCAV 12000	20.0	609	589		
LCAV 14400	23.5	689	669		
LCAV 16800	27.5	759	739		



ORDERING PROCEDURE EXAMPLE

