KEMET CHARGED.

C9T

MKP Series

ALUMINIUM CASE CAPACITORS
PFC & AC FILTERING APPLICATIONS
THREE PHASE EXECUTION (WITH FPU)

TECHNICAL DATA

Service:	Continuous
Operating temperature	-25 … +55°C
Storage temperature	-40 … +85°C
Life Expectancy	≥ 100.000 Hours at U_{RMS}
Dielectric Dissipation Factor tgδ$_0$	2 x 10^{-4}
Capacitance tolerance	-5 … +15% (X)
Test voltage terminal to case U_{TT}	2,15 U_{RMS} for 10 seconds
Test voltage terminal to case U_{TC}	U_{RMS} < 690[V~]: 3KV - 50Hz for 10 seconds U_{RMS} ≥ 690[V~]: 6kV - 50Hz for 10 seconds
Rated power Q	Reactive power at rated A.C. voltage U_{RMS} - F_N
Max admissible voltage:	1.1 times the nominal voltage 8h / 24h
Max admissible current:	1.3 times the nominal current In
Permissible relative humidity	Annual average ≤ 95% on 30 days / year, continuosly 100% on other days occasionally 100%. Dewing not admissible
Degree of protection	IP30
Capacitance deviation	±1.5% max on cap. value measured at +20 °C
Installation	Whatever Position
Safety:	Overpressure safety device

GENERAL CHARACTERISTICS

Code	C	Q	U_{RMS}	dv/dt	Freq	I_N	Dimensions	
	µF	kvar	V_{ac}	V/µs	Hz	A	Slim	Conc.
C9T_5AD5308AA0X	3*30.8	5	415	30	50	7.0	A	G
C9T_5AD5462AA0X	3*46.2	7.5	415	30	50	10.4	A	H
C9T_5BD5616AA0X	3*61.6	10	415	30	50	13.9	B	I
C9T_5MD5770AA0X	3*77	12.5	415	30	50	17.4	C	J
C9T_5MD5924AA0X	3*92.4	15	415	30	50	20.9	C	K
C9T_5MD6108AA0X	3*108	17.5	415	30	50	24.3	D	L
C9T_5MD6123AA0X	3*123.2	20	415	30	50	27.8	D	M
C9T_5MD6154AA0X	3*154	25	415	30	50	34.7	E	N
C9T_5MD6185AA0X	3*184.8	30	415	30	50	41.7	F	O
C9T_6AD5262AA0x	3*26.2	5	450	30	50	6.4	A	G
C9T_6AD5393AA0X	3*39.3	7.5	450	30	50	9.6	A	H
C9T_6BD5524AA0X	3*52.4	10	450	30	50	12.8	B	I
C9T_6MD5655AA0X	3*65.5	12.5	450	30	50	16.0	C	J
C9T_6MD5786AA0X	3*78.6	15	450	30	50	19.2	C	K
C9T_6MD5917AA0X	3*91.7	17.5	450	30	50	22.5	D	L
C9T_6MD6105AA0X	3*105	20	450	30	50	25.7	D	M
C9T_6MD6131AA0X	3*131	25	450	30	50	32.0	E	N
C9T_6MD6157AA0X	3*157	30	450	30	50	38.5	F	O
C9T_AAD5192AA0X	3*19.2	5	525	30	50	5.5	A	G
C9T_AAD5290AA0X	3*29	7.5	525	30	50	8.3	A	H
C9T_ABD5385AA0X	3*38.5	10	525	30	50	11.0	B	I
C9T_AMD5481AA0X	3*48.1	12.5	525	30	50	13.7	C	J
C9T_AMD5577AA0X	3*57.7	15	525	30	50	16.5	C	K
C9T_AMD5674AA0X	3*67.4	17.5	525	30	50	19.2	D	L
C9T_AMD5770AA0X	3*77	20	525	30	50	22.0	D	M
C9T_AMD5962AA0X	3*96.2	25	525	30	50	27.5	E	N
C9T_AMD6115AA0X	3*115	30	525	30	50	33.0	F	O
C9T_DBD5279AA0X	3*27.9	12.5	690	30	50	10.5	B	J
C9T_DMD5334AA0X	3*33.4	15	690	30	50	12.6	D	K
C9T_DMD5390AA0X	3*39	17.5	690	30	50	14.6	D	L
C9T_DMD5446AA0X	3*44.6	20	690	30	50	16.7	E	M
C9T_DMD5557AA0X	3*55.7	25	690	30	50	20.9	E	N
C9T_DMD5668AA0X	3*66.8	30	690	30	50	25.1	F	O

The concentric style is obsolete (shown for ref. only)

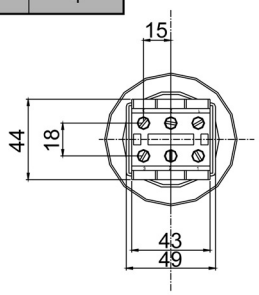
Reference Standards:
IEC 831-1 / 2

Protected 1000 AFC
-25°C . . . +70°C

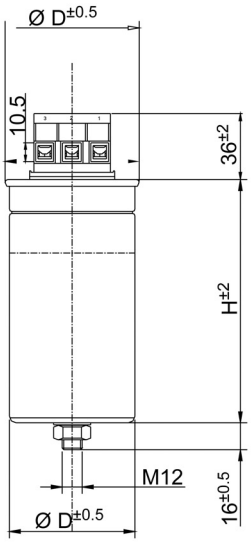
DIMENSIONS & PACKAGING

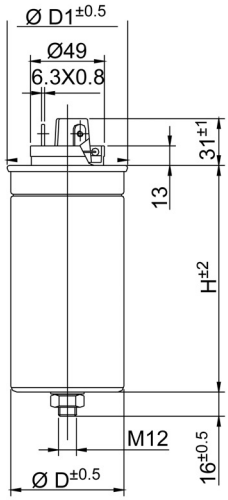
Dim	Case D mm	Case D1 mm	Case H mm	Style	SPQ
A	60	64	220	3	9
B	65	69	220	2	9
C	75	79	220	1	9
D	75	79	280	1	9
E	85	89	280	1	5
F	95	99	280	1	4
G	65	69	150	2	9
H	65	69	175	2	9
I	75	79	175	2	9
J	75	79	200	1	9
K	85	89	200	1	5
L	95	99	175	1	4
M	95	99	200	1	4
N	116	120	175	1	4
O	116	120	200	1	4

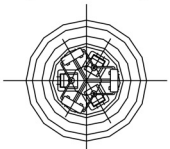
The concentric style is obsolete (shown for ref. only)



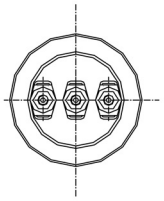
Style 1: Screw terminals



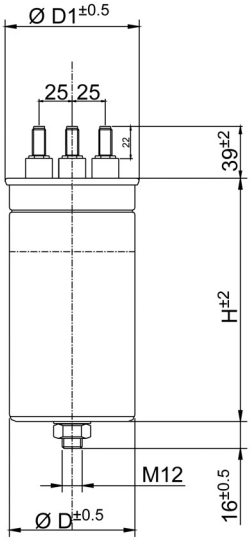


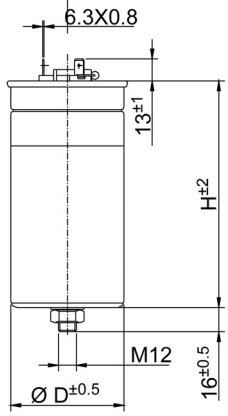


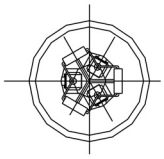
Style 2: Double quick-connect spade terminals



Style 4: M10 plastic insulator terminals







Style 3: Single quick-connect spade terminals

CODE STRUCTURE

4th dgt	Type
S	Slim
C	Concentric

5th dgt	Rated Voltage
5	415
6	450
A	525
D	690

6th dgt	Terminal Style
A	3
B	2
M	1
T	4

7th dgt	Internal Connection
D	DELTA
Y	STAR

8th - 11th dgt → Single Capacitive Element Value