SMH SERIES
electrolytic capacitors for power supplies
by UCC

- **GENERAL INFORMATION**

Type	: Electrolytic Capacitor.
Dielectric	: Aluminum Oxide on Anode Foil.
Construction	: Round Tubular Type Metal Can, Radial Leads.
Coating	: Black Vinyl Tube Wrapped.
Electrodes	: Paper Electrolyte on Cathode Foil.
Leads	: Tinned Pure Copper.

- **TECHNICAL DATA**

Capacitance Range	: 1500 ... 33000 µF, , ±20 %. (see specifications for details)
Dielectric Constant	: 7 er, polar dielectric.
Dielectric Absorption Factor	: Less than 5 % @ 20° C.
Equivalent Series Resistance	: Low (see specifications for details)
Self Inductance	: Low
Dissipation Factor	: Low (see specifications for details)
Temperature Range	: -40° C to +85° C.
Test Voltage	: 1.5 x Vr for 2 sec.
Rated Voltage	: 63, 80 & 100 VDC.
Lug Terminals Dimensions	: (see specifications for details)

- **FEATURE**

High Quality Sound.
Low Loss.
Good Current Capacity.
High Frequency and Temperature Stability.
Good Long Term Mechanical Reliability.
Very Long Life Time.

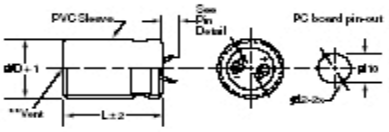
- **ELECTRICAL PERFORMANCE**

Low Dielectric Absorption Factor.
Low Equivalent Series Resistance
Low Self Inductance.
Low Dissipation Factor.
High Insulation Resistance.

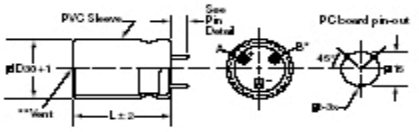
Snap Mount

Unit: mm

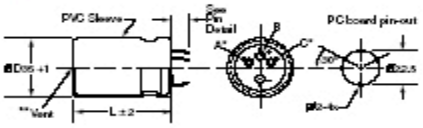
Types VN-T2 & VS-T2 ø22~ø35



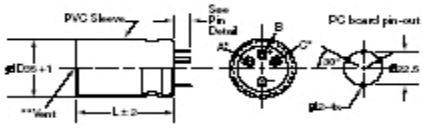
Type VR-T3 ø30



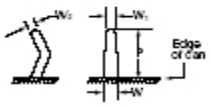
Types VN-T4 ø35 & ø40



Type VR-T4 ø35

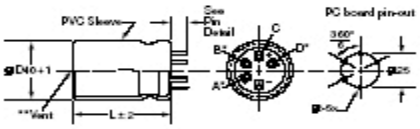


VN & VS Pin Dimensions



Type	P	W	W1	W2
VN-T2 ø22-ø35	5.8±1.0	1.5±0.2	1.0	1.0
VN-T4 ø35-ø40	5.8±1.0			
VS-T2 ø22-ø30	4.0±0.5			
VS-T2 ø35	3.5±0.5			

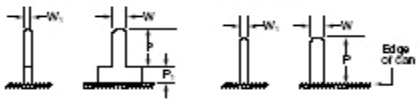
Type VR-T5 ø40



VR Pin Dimensions

Standoff Pin (Standard)***

Straight Pin



Type	P	P1	W	W1
VR (Standoff Pin)	3.75±1.0	2.0 max.	1.5±0.1	0.7
VR (Straight Pin)	5.50±1.0	—		

CAUTION

* Use the blank terminals for mechanical support only. The blank terminals must not be connected to a solder trace on the PC board, but be electrically isolated from the negative or positive terminal.

** Vent may be located either on the bottom or side of the can.

*** Add an "H" to the end of the part number for standoffs.

Dissipation Factor (%) +20%
Dimensions (mm)+5%

SMH 100Vdc, 80Vdc & 63Vdc.

P/N	Capacitance/DF	VDC	D x L
ESMH101VSN152MP35T	1500 mfd .03	100	22 x 30
ESMH101VSN222MP45S	2200 mfd .03	100	22 x 45
ESMH101VSN332MQ50S	3300 mfd .03	100	25 x 50
ESMH630VSN472MQ40S	4700 mfd .03	63	25 x 40
ESMH101VSN472MR50S	4700 mfd .03	100	30 x 50
ESMH630VSN682MQ50S	6800 mfd .03	63	25 x 50
ESMH101VSN682MA50S	6800 mfd .03	100	35 x 50
ESMH800VSN822MA45T	8200 mfd .03	80	35 x 45
ESMH101VQT822MB63T	8200 mfd .03	100	40 x 63
ESMH800VSN103MA50T	10000 mfd .03	80	35 x 50
ESMH630VSN123MA45T	12000 mfd .03	63	35 x 45
ESMH800VQT123MB50T	12000 mfd .03	80	40 x 50
ESMH101VQT123MB80T	12000 mfd .03	100	40 x 80
ESMH630VSN153MA63T	15000 mfd .03	63	35 x 63
ESMH800VQT153MB63T	15000 mfd .03	80	40 x 63
ESMH630VSN223MA80T	22000 mfd .03	63	35 x 80
ESMH630VQT333MA80T	33000 mfd .03	63	40 x 80