

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 μ F, , \pm 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.

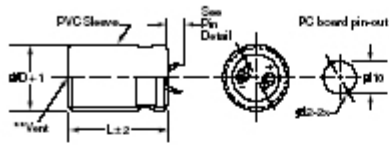
- **ELECTRICAL PERFORMANCE**

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

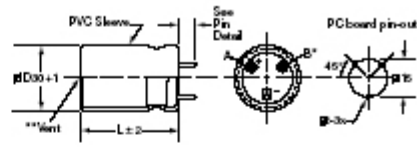
Snap Mount

Unit: mm

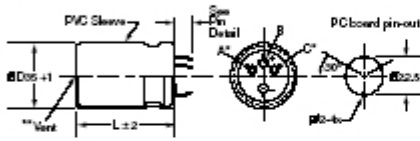
Types VN-T2 & VS-T2 $\varnothing 22$ - $\varnothing 35$



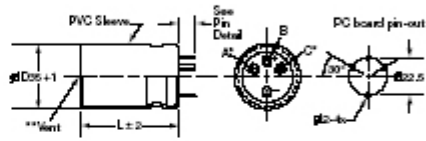
Type VR-T3 $\varnothing 30$



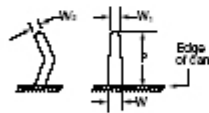
Types VN-T4 $\varnothing 35$ & $\varnothing 40$



Type VR-T4 $\varnothing 35$

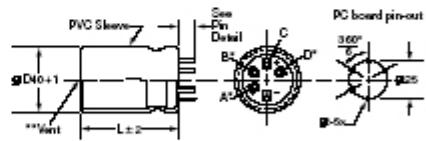


VN & VS Pin Dimensions



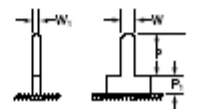
Type	P	W	W ₁	W ₂
VN-T2 $\varnothing 22$ - $\varnothing 35$	5.8 ± 1.0	1.5 ± 0.2	1.0	1.0
VN-T4 $\varnothing 35$ - $\varnothing 40$	5.8 ± 1.0			
VS-T2 $\varnothing 22$ - $\varnothing 30$	4.0 ± 0.5			
VS-T2 $\varnothing 35$	3.5 ± 0.5			

Type VR-T5 $\varnothing 40$

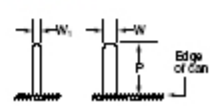


VR Pin Dimensions

Standoff Pin (Standard)^{***}



Straight Pin



Type	P	P ₁	W	W ₁
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
SMH100VN152	1500 mfd .03	100	22 x 30
SMH80VN822	8200 mfd .03	80	35 x 45
SMH100VR822	8200 mfd .03	100	40 x 63
SMH80VN103	10000 mfd .03	80	35 x 50
SMH63VN123	12000 mfd .03	63	35 x 45
SMH80VR123	12000 mfd .03	80	40 x 50
SMH100VR123	12000 mfd .03	100	40 x 80
SMH63VN153	15000 mfd .03	63	35 x 63
SMH80VR153	15000 mfd .03	80	40 x 63
SMH63VN223	22000 mfd .03	63	35 x 80
SMH63VR333	33000 mfd .03	63	40 x 80