

Capacitors For Power Electronics

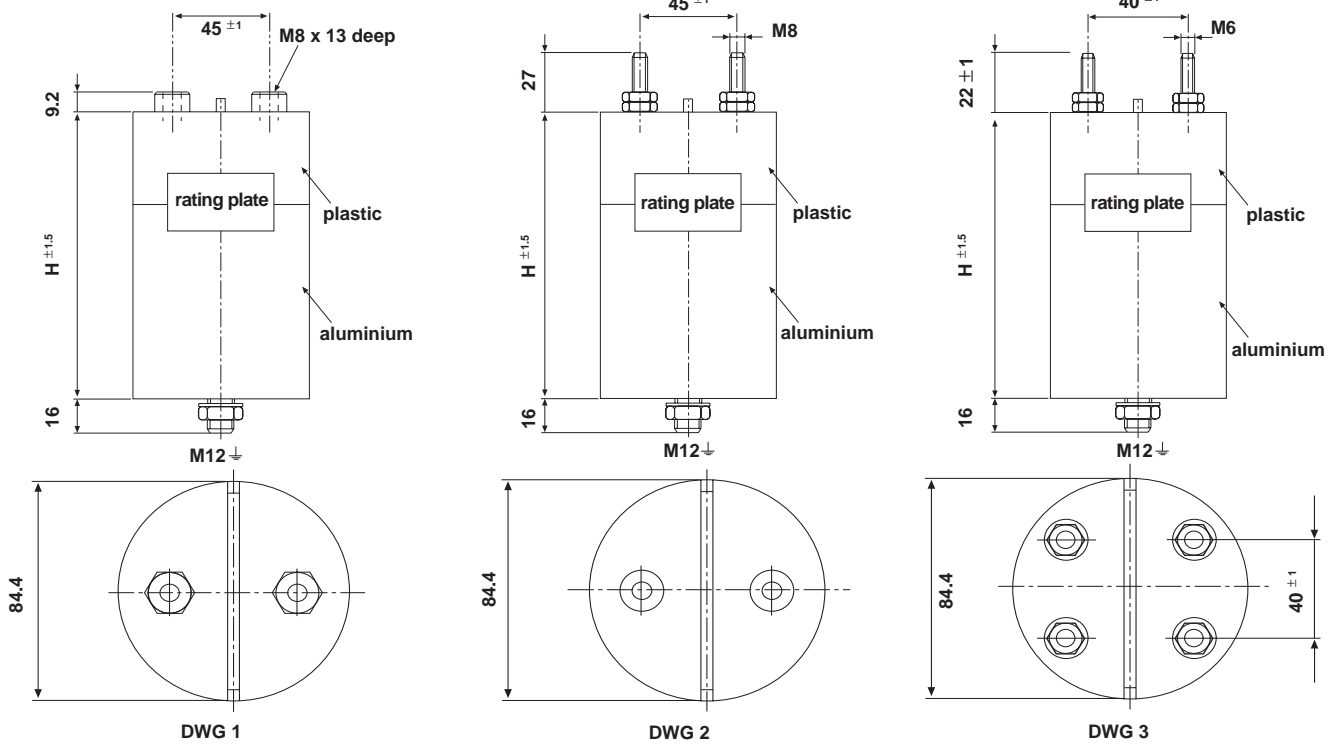


FEATURES

- Highest RMS current rating, low ESR
- High impulse current rating
- Very low inductance
- Extremely low losses even at high frequencies
- High reliability and life expectancy
- Heavy duty shock and vibration
- Non-polar dielectric
- Dry, resin filled
- Easy mounting by integrated M12 stud on base
- Highest energy content

GENERAL SPECIFICATIONS	
Dielectric	Metalized Polypropylene
Temperature coefficient (TCC)	- 2.3% from - 20°C to + 70°C
Dissipation factor (DF)	< 8 x 10 ⁻⁴ /1kHz; < 50 x 10 ⁻⁴ /10kHz
Series Resistance (Rs)	< 3mΩ/1kHz; 8mΩ/100kHz
Capacitance tolerance	± 5%
Operating temperature	- 40°C to + 70°C at UN - 40°C to + 85°C at 0.7 x UN - 40°C to + 100°C at 0.5 x UN
Inductance	< 50nH
Lifetime expectancy	100,000 hours at UN and 60°C
Reliability	300FIT
Test voltage	Terminal/Terminal = 1.5 x UNDC, 10s Terminal/Earth = 2 x UR + 1000VAC, 60s
Casing material	Aluminum/Lathene; UL 94V0
Filling	Resin Dry, UL 94, V0
Standards	IEC 61071-1, EN 61071, IEC 68-2 and IEC 61881

DIMENSIONS



TYPE DESCRIPTION							
TYPE	RATED VOLTAGE		CAPACITANCE (μ F)	CURRENT* MAX. (A)	du/dt MAX.(V/ μ s)	HEIGHT (mm)	WEIGHT (kg)
	DC (V)	AC (V)					
900-360	900	220	360	50	20	105	0.71
900-460	900	220	460	100	15	135	0.92
900-720	900	220	720	100	15	185	1.25
900-950	900	220	950	80	15	235	1.6
900-1080	900	220	1080	150	15	260	1.75
1.35-160	1350	325	160	50	30	105	0.71
1.35-200	1350	325	200	100	30	135	0.92
1.35-320	1350	325	320	100	30	185	1.25
1.35-400	1350	325	400	80	30	235	1.6
1.35-480	1350	325	480	150	30	260	1.75
2.0-70	2000	500	70	50	50	105	0.71
2.0-90	2000	500	90	100	50	135	0.92
2.0-140	2000	500	140	100	50	185	1.25
2.0-180	2000	500	180	80	50	235	1.6
2.0-210	2000	500	210	150	50	260	1.75
2.25-55	2250	550	55	50	60	105	0.71
2.25-75	2250	550	75	100	60	135	0.92
2.25-110	2250	550	110	100	60	185	1.25
2.25-150	2250	550	150	80	60	235	1.6
2.25-165	2250	550	165	150	60	260	1.75
2.7-40	2700	660	40	50	50	105	0.71
2.7-50	2700	660	50	100	50	135	0.92
2.7-80	2700	660	80	100	50	185	1.25
2.7-100	2700	660	100	80	50	235	1.6
2.7-120	2700	660	120	150	50	260	1.75

Note: Other voltage and capacitance values are available upon request. Voltage up to 4800VDC
 *Design current for short-time operation at 50°C



Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.