

VD Series

Features

• Endurance : 105°C 5000H

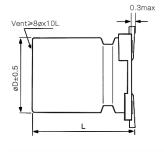
- Designed for High Voltage
- · Designed for reflow soldering
- · Designed for surface mounting on high-density PCB
- RoHS 2.0 compliant
- 219 SVHC & REACH compliant

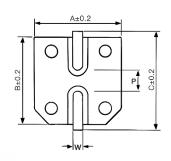


Marking color: Black

Specifications							
Category temp. range	–40°C to +105°C						
Capacitance tolerance	±20% (120 Hz / +20 °C)						
Leakage current	I ≤ 0.04 CV +100µA, after 5 minutes						
Tanδ	Please see the attached characteristics list						
Characteristics at low	Rated voltage (V)	400	0	Impedance ratio at 120 Hz			
	Z(-25 °C)/Z(+20 °C)	6					
temperature	Z (-40 °C) / Z (+20 °C)	10					
	After applying rated working voltage for 5000 hours at +105 $^{\circ}$ C \pm 2 $^{\circ}$ C, and then being stabilized at +20 $^{\circ}$ C,						
Endurance	capacitors shall meet the following limits.						
	Capacitance change	Within ±30% of the initial value					
	Dissipation factor (tan δ)	δ) Less than 300% of the initial value					
	eakage current Within the initial limit						
Shelf life	After storage for 1000 h at +105 $^{\circ}$ C ± 2 $^{\circ}$ C with no voltage applied and then being stabilized at +20 $^{\circ}$ C,						
	capacitors shall meet the limits specified in endurance.						
	After reflow soldering and then being stabilized at +20 °C, capacitors shall meet the following limits.						
Resistance to	Capacitance change	Within ±10% of the initial value					
soldering heat	Dissipation factor (tan δ)	Within the initial limit					
	Leakage current	Within the initial limit					
Frequency correction	Frequency	50Hz	120Hz	1kHz	10kHz≦		
factor for ripple current	Correction Factor	0.7	1.0	1.3	1.4		

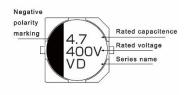
Dimensions:





Dimensions Unit: mm							
φD	L	Α	В	С	W	P±0.2	
8	10.5±0.5	8.3	8.3	9.2	0.7~1.2	3.1	
8	13±0.5	8.3	8.3	9.2	0.7~1.2	3.1	
10	10.5±0.5	10.3	10.3	11.2	0.7~1.2	4.4	
10	13±0.5	10.3	10.3	11.2	0.7~1.2	4.4	

Marking:



Part Number System:

VD series 400V 4.7 μ F $\pm 20\%$ 8 \oplus X10.5L \underline{VD} 2G 4R7 \underline{M} 0810

Series name Rated voltage Capacitance Capacitance tolerance Case Size



Characteristics list								
Rated voltage (V)	Capacitance (±20%) (µF)	Case size		Specification			Taping&Reel	
		øD (mm)	L (mm)	Rated ripple current① (mA rms)	tan δ②	Part Number③	MPQ (pcs/reel)	
400	2.2	8	10.5	15	0.25	VD2G2R2M0810	500	
	3.3	8	10.5	20	0.25	VD2G3R3M0810	500	
	4.7	8	10.5	25	0.25	VD2G4R7M0810	500	
		8	13	30	0.25	VD2G4R7M0813	400	
		10	10.5	30	0.25	VD2G4R7M1010	500	
	5.6	8	13	35	0.25	VD2G5R6M0813	400	
		10	10.5	35	0.25	VD2G5R6M1010	500	
	6.8	10	10.5	45	0.25	VD2G6R8M1010	500	
	8.2	10	13	55	0.25	VD2G8R2M1013	400	
	10	10	13	60	0.25	VD2G100M1013	400	

① Rated ripple current (120Hz / +105°C) ② tan δ (120Hz / +20°C) ③ For plastic reel packaging, the Part Number is appended with "PR" at the end.

 $[\]ensuremath{\mathbb{X}}$ Please refer to the page of reflow conditions for reflow profile.

单击下面可查看定价,库存,交付和生命周期等信息

>>NJS(安远南佳盛)