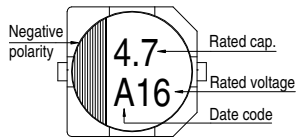
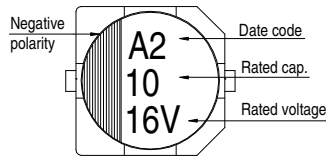


Marking

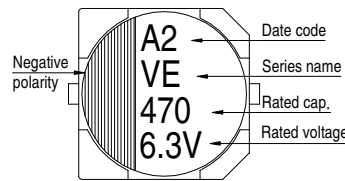
φ D = 3 mm



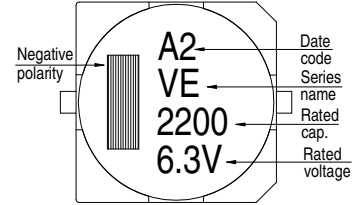
φ D = 4 ~ 6.3 mm



φ D = 8 ~ 10 mm



φ D ≥ 12.5 mm



Dimension: φ D × L(mm)

Ripple Current: mA/rms at 120 Hz, 85°C

Dimension and Permissible Ripple Current

Rated Volt. (V _{dc})	4V (0G)	6.3V (0J)	10V (1A)	16V (1C)	25V (1E)	35V (1V)	50V (1H)	63 (1J)
Cap. (μF) Contents	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA
1 010							4×5.3 10	4×5.3 8
2.2 2R2							4×5.3 14	4×5.3 12
3.3 3R3					3×5.3 14	3×5.3 14	4×5.3 17	5×5.3 22
4.7 4R7			3×5.3 14	3×5.3 14	4×5.3 26	4×5.3 26	4×5.3 20	5×5.3 25
10 100		3×5.3 16	4×5.3 26	4×5.3 26	5×5.3 44	5×5.3 44	5×5.3 35	6.3×5.3 40 8×6.5 46
22 220	3×5.3 16	4×5.3 26	5×5.3 44	4×5.3 30 5×5.3 44	5×5.3 47 6.3×5.3 59	5×5.3 47 6.3×5.3 59	6.3×5.3 50 6.3×7.7 65	8×10 139
33 330	4×5.3 31	4×5.3 31	4×5.3 31 5×5.3 55	5×5.3 55	5×5.3 55 6.3×5.3 67	6.3×5.3 67 6.3×7.7 85	6.3×7.7 75 8×6.5 95	8×10 139
47 470	4×5.3 34	4×5.3 34 5×5.3 55	6.3×5.3 75	5×5.3 55 6.3×5.3 75	6.3×5.3 75 6.3×7.7 98	6.3×7.7 98 8×6.5 105	6.3×7.7 75 8×10 190	10×10 200
68 680	5×5.3 58	5×5.3 58 6.3×5.3 89	5×5.3 58 6.3×5.3 89	6.3×5.3 89	6.3×7.7 109	6.3×7.7 109	8×10 190	10×10 226
100 101	5×5.3 58 6.3×5.3 89	6.3×5.3 89	6.3×5.3 89 6.3×7.7 109	6.3×5.3 89 6.3×7.7 109	6.3×7.7 109 8×6.5 125	8×10 252	8×10 190	10×10 226
150 151						10×7.7 252		
220 221	6.3×5.3 89 6.3×7.7 124	6.3×5.3 89 6.3×7.7 124	6.3×7.7 124 8×6.5 175 8×10 270	6.3×7.7 124 8×10 270	8×10 270 10×7.7 270	8×10 270 10×10 370	10×10 320	12.5×13.5 500
330 331	6.3×7.7 124	6.3×7.7 124 8×6.5 190	8×10 290	8×10 290 10×7.7 290	10×10 400	10×10 400	12.5×13.5 600	12.5×16 600
470 471	8×10 290	8×10 290	10×7.7 290 10×10 400	10×10 400	10×10 400	12.5×13.5 680	12.5×16 740	16×16.5 850
680 681		10×7.7 290	10×10 410	10×10 410	12.5×13.5 680	12.5×13.5 680	16×16.5 1,000	18×16.5 1,100
1,000 102		10×10 430	10×10 430	12.5×13.5 750	12.5×13.5 750	16×16.5 1,100	18×16.5 1,350 16×21.5 1,400	
2,200 222		12.5×13.5 890	12.5×13.5 890	16×16.5 1,100	16×16.5 1,100	18×16.5 1,450 16×21.5 1,500		
3,300 332		12.5×16 1,000	16×16.5 1,300	16×16.5 1,300	18×16.5 1,600 16×21.5 1,650	18×21.5 1,750		
4,700 472		16×16.5 1,400	16×16.5 1,400	18×16.5 1,600 16×21.5 1,650	18×21.5 1,750			
6,800 682		18×16.5 1,700 16×21.5 1,750	18×16.5 1,700 16×21.5 1,750	18×21.5 2,000				
10,000 103		18×21.5 2,000	18×21.5 2,000					

Rated Volt. (V _{dc})	100V (2A)	160V (2C)	200V (2D)	250V (2E)	400V (2G)	450V (2W)
Cap. (μF) Contents	φ D×L	mA	φ D×L	mA	φ D×L	mA
4.7 4R7					12.5×13.5 120	12.5×13.5 120
10 100	8×10 90			12.5×13.5 150	12.5×13.5 120	12.5×16 130
22 220	8×10 90		12.5×13.5 240	12.5×13.5 150	16×16.5 140	16×16.5 140
33 330	10×10 120	12.5×13.5 290	12.5×16 310	12.5×16 240	16×16.5 140	18×16.5 180
47 470	10×10 120	12.5×16 370	16×16.5 420	16×16.5 340	18×16.5 280	18×21.5 250
68 680	12.5×13.5 380	16×16.5 500	16×16.5 420	18×16.5 440 16×21.5 450	18×21.5 350	
100 101	12.5×13.5 440	18×16.5 650 16×21.5 690	18×16.5 550 16×21.5 590	18×21.5 490		
220 221	16×16.5 600					
330 331	18×16.5 780 16×21.5 850					

Part Numbering System

VE Series 470μF ±20% 6.3V Carrier Tape 8φ×10L Pb-free and PET coating case

VE- **471** **M** **0J** **TR** - **0810**

Series Name Capacitance Capacitance Tolerance Rated Voltage Package Type Terminal Type Case size Lead Wire and Coating Type

Note: For more details, please refer to "Part Numbering System (SMD Type)" on page 15.