

Aluminum Capacitors +85 °C, Large Can



FEATURES

- Useful life: 2000 h at +85 °C
- The industry standard for large can aluminum capacitors
- Ideal for high wattage power supplies and energy storage applications
- Capacitance values to 2.2 F
- Largest CV available
- Highest voltage available
- Screw terminal
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912


**RoHS
COMPLIANT**

QUICK REFERENCE DATA

DESCRIPTION	VALUE
Nominal case size Ø D x L in inches (mm)	1.375 x 1.625 (35.0 x 41.3) to 3.00 x 8.675 (76.2 x 220.3)
Operating temperature	-40 °C to +85 °C
Rated capacitance range, C _R	100 µF to 2.2 F
Tolerance on C _R	-10 % to 50 %
Rated voltage range, U _R	6.3 WV _{DC} to 450 WV _{DC}
Termination	Screw thread
Life validation test at 85 °C	2000 h: ΔCAP ≤ 15 % from initial measurement. ΔESR ≤ 1.5 x initial specified limit ΔDCL ≤ initial specified limit
Shelf life at 85 °C	500 h: ΔCAP ≤ 15 % from initial measurement. ΔESR ≤ 1.2 x initial specified limit. ΔDCL ≤ 2 x initial specified limit.
DC leakage current	$I = k \sqrt{CV}$ k = 4.0 at +25 °C; k = 32.0 at +85 °C I in µA, C in µF, V in Volts

RIPPLE CURRENT MULTIPLIERS

TEMPERATURE			
AMBIENT TEMPERATURE		MULTIPLIERS	
+85 °C		1.0	
+75 °C		1.4	
+65 °C		1.7	
+55 °C and below		2.0	
FREQUENCY (Hz)			
RATED WV _{DC}	120	400	1000 AND UP
0 to 50	1.0	1.05	1.10
51 to 100	1.0	1.10	1.15
150 to 300	1.0	1.15	1.25
301 to 450	1.0	1.20	1.30

DIMENSIONS in inches (millimeters)

LARGE CAN CAPACITORS							
CASE CODE	NOMINAL		WITH INSULATION SLEEVE			TERMINAL SPACING M ± 0.016 (0.4)	TYPICAL WEIGHT (g)
	D ± 0.032 (0.8)	L ± 0.063 (1.6)	D (Max.)	L (Max.)	P TERMINAL H (Max.)		
AN	1.375 (35.0)	1.625 (41.0)	1.453 (36.9)	1.750 (44.5)	1.849 (47.0)	0.500 (12.7)	43.0
AY	1.375 (35.0)	1.875 (48.0)	1.453 (36.9)	2.000 (50.8)	1.099 (53.3)	0.500 (12.7)	54.0
AA	1.375 (35.0)	2.125 (54.0)	1.453 (36.9)	2.250 (57.2)	1.349 (59.7)	0.500 (12.7)	63.0
AM	1.375 (35.0)	2.625 (67.0)	1.453 (36.9)	2.750 (69.9)	1.849 (72.4)	0.500 (12.7)	82.0
AB	1.375 (35.0)	3.125 (79.0)	1.453 (36.9)	3.250 (82.6)	1.349 (85.1)	0.500 (12.7)	105.0
AL	1.375 (35.0)	3.625 (92.0)	1.453 (36.9)	3.750 (95.3)	1.849 (97.8)	0.500 (12.7)	122.0
AC	1.375 (35.0)	4.125 (105.0)	1.453 (36.9)	4.250 (108.0)	1.349 (110.5)	0.500 (12.7)	129.0
AD	1.375 (35.0)	4.625 (117.0)	1.453 (36.9)	4.750 (120.7)	1.849 (123.2)	0.500 (12.7)	162.0
AE	1.375 (35.0)	5.125 (130.0)	1.453 (36.9)	5.250 (133.4)	1.349 (125.9)	0.500 (12.7)	179.0
AF	1.375 (35.0)	5.625 (143.0)	1.453 (36.9)	5.750 (146.1)	1.849 (148.6)	0.500 (12.7)	201.0
EN	1.750 (44.0)	1.625 (41.0)	1.828 (46.4)	1.750 (44.5)	1.849 (47.0)	0.750 (19.1)	71.0

**DIMENSIONS** in inches (millimeters)

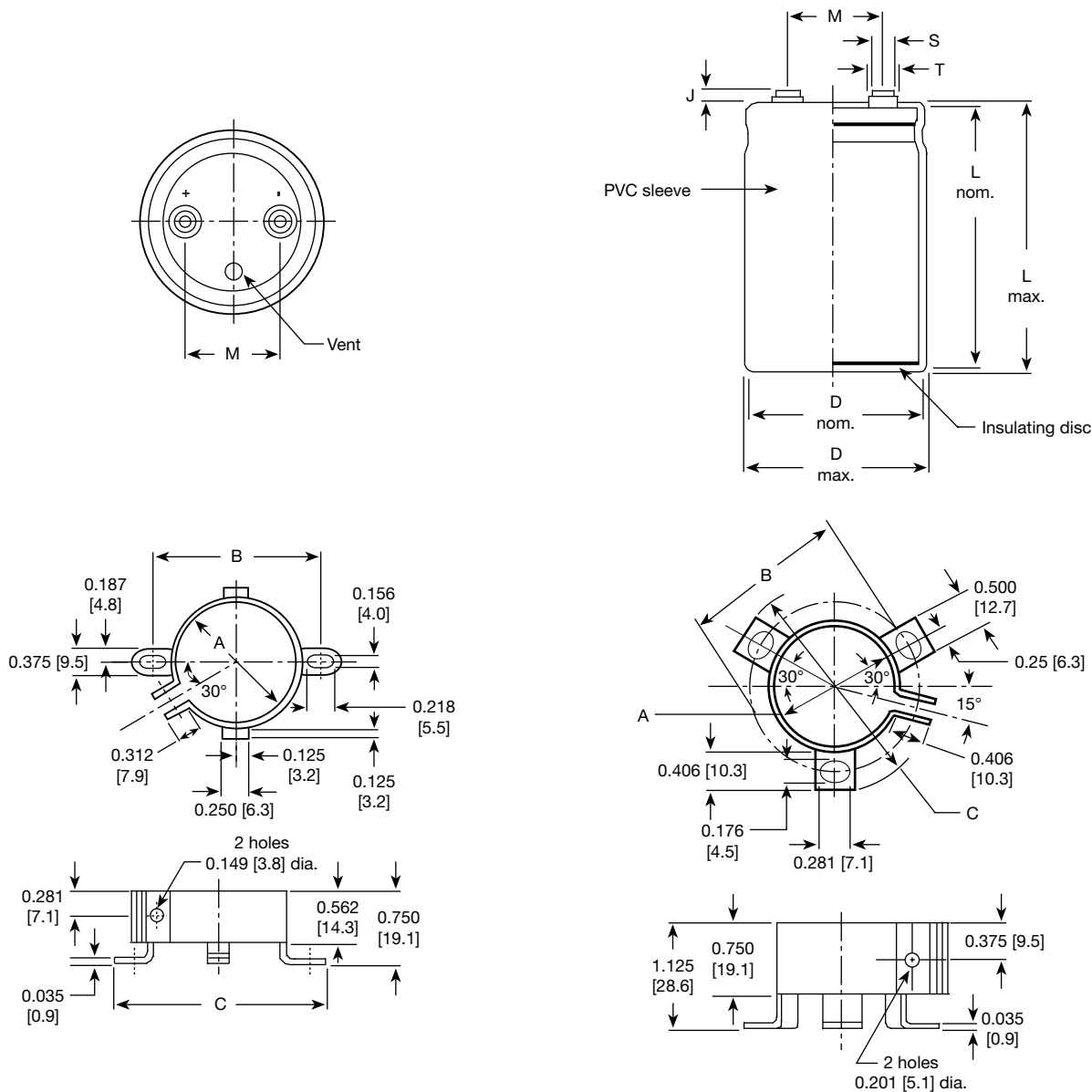
LARGE CAN CAPACITORS							
CASE CODE	NOMINAL		WITH INSULATION SLEEVE			TERMINAL SPACING M ± 0.016 (0.4)	TYPICAL WEIGHT (g)
	D ± 0.032 (0.8)	L ± 0.063 (1.6)	D (Max.)	L (Max.)	P TERMINAL H (Max.)		
EY	1.750 (44.0)	1.875 (48.0)	1.828 (46.4)	2.000 (50.8)	2.099 (53.3)	0.750 (19.1)	88.0
EA	1.750 (44.0)	2.125 (54.0)	1.828 (46.4)	2.250 (57.2)	2.349 (59.7)	0.750 (19.1)	102.0
EM	1.750 (44.0)	2.625 (67.0)	1.828 (46.4)	2.750 (69.9)	2.849 (72.4)	0.750 (19.1)	133.0
EB	1.750 (44.0)	3.125 (79.0)	1.828 (46.4)	3.250 (82.6)	3.349 (85.1)	0.750 (19.1)	167.0
EL	1.750 (44.0)	3.625 (92.0)	1.828 (46.4)	3.750 (95.3)	3.849 (97.8)	0.750 (19.1)	198.0
EC	1.750 (44.0)	4.125 (105.0)	1.828 (46.4)	4.250 (108.0)	4.349 (110.5)	0.750 (19.1)	230.0
ED	1.750 (44.0)	4.625 (117.0)	1.828 (46.4)	4.750 (120.7)	4.849 (123.2)	0.750 (19.1)	252.0
EE	1.750 (44.0)	5.125 (130.0)	1.828 (46.4)	5.250 (133.4)	5.349 (135.9)	0.750 (19.1)	269.0
EF	1.750 (44.0)	5.625 (143.0)	1.828 (46.4)	5.750 (146.1)	5.849 (148.6)	0.750 (19.1)	318.0
BY	2.000 (51.0)	1.875 (48.0)	2.078 (52.8)	2.000 (50.8)	2.099 (53.3)	0.875 (22.2)	113.0
BA	2.000 (51.0)	2.125 (54.0)	2.078 (52.8)	2.250 (57.2)	2.349 (59.7)	0.875 (22.2)	133.0
BM	2.000 (51.0)	2.625 (67.0)	2.078 (52.8)	2.750 (69.9)	2.849 (72.4)	0.875 (22.2)	176.0
BB	2.000 (51.0)	3.125 (79.0)	2.078 (52.8)	3.250 (82.6)	3.349 (85.1)	0.875 (22.2)	213.0
BL	2.000 (51.0)	3.625 (92.0)	2.078 (52.8)	3.750 (95.3)	3.849 (97.8)	0.875 (22.2)	261.0
BC	2.000 (51.0)	4.125 (105.0)	2.078 (52.8)	4.250 (108.0)	4.349 (110.5)	0.875 (22.2)	381.0
BD	2.000 (51.0)	4.625 (117.0)	2.078 (52.8)	4.750 (120.7)	4.849 (123.2)	0.875 (22.2)	326.0
BE	2.000 (51.0)	5.125 (130.0)	2.078 (52.8)	5.250 (133.4)	5.349 (135.9)	0.875 (22.2)	337.0
BF	2.000 (51.0)	5.625 (143.0)	2.078 (52.8)	5.750 (146.1)	5.849 (148.6)	0.875 (22.2)	408.0
CB	2.500 (64.0)	3.125 (79.0)	2.578 (65.5)	3.250 (82.6)	n/a	1.125 (28.6)	329.0
CL	2.500 (64.0)	3.625 (92.0)	2.578 (65.5)	3.750 (95.3)	n/a	1.125 (28.6)	400.0
CC	2.500 (64.0)	4.125 (105.0)	2.578 (65.5)	4.250 (108.0)	n/a	1.125 (28.6)	473.0
CD	2.500 (64.0)	4.625 (117.0)	2.578 (65.5)	4.750 (120.7)	n/a	1.125 (28.6)	562.0
CE	2.500 (64.0)	5.125 (130.0)	2.578 (65.5)	5.250 (133.4)	n/a	1.125 (28.6)	607.0
CF	2.500 (64.0)	5.625 (143.0)	2.578 (65.5)	5.750 (146.1)	n/a	1.125 (28.6)	675.0
DB	3.000 (76.0)	3.125 (79.0)	3.078 (78.2)	3.250 (82.6)	n/a	1.250 (31.8)	496.0
DL	3.000 (76.0)	3.625 (92.0)	3.078 (78.2)	3.750 (95.3)	n/a	1.250 (31.8)	598.0
DC	3.000 (76.0)	4.125 (105.0)	3.078 (78.2)	4.250 (108.0)	n/a	1.250 (31.8)	700.0
DD	3.000 (76.0)	4.625 (117.0)	3.078 (78.2)	4.750 (120.7)	n/a	1.250 (31.8)	802.0
DE	3.000 (76.0)	5.125 (130.0)	3.078 (78.2)	5.250 (133.4)	n/a	1.250 (31.8)	944.0
DF	3.000 (76.0)	5.625 (143.0)	3.078 (78.2)	5.750 (146.1)	n/a	1.250 (31.8)	1004.0
DJ	3.000 (76.0)	8.625 (219.0)	3.078 (78.2)	8.750 (222.3)	n/a	1.250 (31.8)	1403.0

DIMENSIONS in inches (millimeters)

BRACKETS (RoHS COMPLIANT)						
TYPE	PART NUMBER	A	B	C	FIGURE NUMBER	
2 feet	1245860035A	1.375 (34.9)	1.781 (45.2)	2.218 (56.3)	1	
3 feet	1245860036A	2.000 (50.8)	2.500 (63.5)	2.875 (73.0)	2	
3 feet	1245860037A	2.500 (63.5)	3.000 (76.2)	3.375 (85.7)	2	
3 feet	1245860038A	3.000 (76.2)	3.500 (88.9)	3.875 (98.4)	2	
SCREW INSERT TERMINAL DIMENSIONS						
TERMINAL CODE	THREAD	THREAD DEPTH	HEIGHT J ± 0.032 (0.8)	DIAMETER S ± 0.010 (0.25)	DIAMETER T ± 0.010 (0.25)	NOTES
A	10-32 NF-28	0.219 (5.6)	0.063 (1.6)	0.313 (8.0)	0.438 (11.1)	All cases codes
B	10-32 NF-28	0.375 (9.5)	0.250 (6.4)	0.313 (8.0)	0.438 (11.1)	All cases codes
D	1/4-28 NF-28	0.344 (8.7)	0.093 (2.4)	0.688 (17.5)	-	C and D dia. codes only

DIMENSIONS AND AVAILABLE FORMS

Screw Insert Terminals



ORDERING EXAMPLE

Electrolytic capacitor 36DY series: 36DY 683 F 6R3 AA 2 A

DESCRIPTION	
CODE	EXPLANATION
36DY	Product type
683	Capacitance value (68 000 µF)
F	Tolerance (G = -10 %/+75 %; F = -10 %/+50 %)
6R3	Voltage rating at 85 °C (6.3 V)
AA	Can size (see dimensions table)
2	PVC insulating sleeve
A	Terminal code (low insert 10-32 screw thread)

**ELECTRICAL DATA AND ORDERING INFORMATION**

CAPACITANCE (μ F)	PART NUMBER	NOMINAL CASE SIZE D x L	MAX. ESR AT 25 °C (m Ω) 120 Hz	MAX. RIPPLE AT +85 °C (A) 120 Hz
6.3 WV_{DC} AT +85 °C, SURGE = 8 V				
68 000.0	36DY683F6R3AA2A	1.375 x 2.125 (35.0 x 54.0)	32.0	5.92
120 000.0	36DY124F6R3AB2A	1.375 x 3.125 (35.0 x 79.0)	20.0	8.70
220 000.0	36DY224F6R3BB2A	2.000 x 3.125 (51.0 x 79.0)	11.2	14.4
560 000.0	36DY564F6R3BF2A	2.000 x 5.625 (51.0 x 143.0)	6.6	23.8
820 000.0	36DY824F6R3CF2A	2.500 x 5.625 (64.0 x 143.0)	4.1	34.4
1 000 000.0	36DY105F6R3DD2A	3.000 x 4.625 (76.0 x 117.0)	14.5	34.0
10 WV_{DC} AT +85 °C, SURGE = 12 V				
82 000.0	36DY823F010AB2A	1.375 x 3.125 (35.0 x 79.0)	19.8	8.65
150 000.0	36DY154F010AD2A	1.375 x 4.625 (35.0 x 117.0)	14.0	12.2
220 000.0	36DY224F010BL2A	2.000 x 3.625 (51.0 x 92.0)	9.6	16.5
390 000.0	36DY394F010BF2A	2.000 x 5.625 (51.0 x 143.0)	6.7	23.7
470 000.0	36DY474F010CC2A	2.500 x 4.125 (64.0 x 105.0)	5.0	27.6
680 000.0	36DY684F010DC2A	3.000 x 4.125 (76.0 x 105.0)	5.0	30.9
15 WV_{DC} AT +85 °C, SURGE = 18 V				
47 000.0	36DY473F015AM2A	1.375 x 2.625 (35.0 x 67.0)	25.0	7.19
68 000.0	36DY683F015AL2A	1.375 x 3.625 (35.0 x 92.0)	17.5	9.79
100 000.0	36DY104F015AD2A	1.375 x 4.625 (35.0 x 117.0)	14.2	12.1
56 000.0	36DY563F015BA2A	2.000 x 2.125 (51.0 x 54.0)	20.0	9.40
100 000.0	36DY104F015BB2A	2.000 x 3.125 (51.0 x 79.0)	11.6	14.2
150 000.0	36DY154F015BC2A	2.000 x 4.125 (51.0 x 105.0)	8.7	18.3
220 000.0	36DY224F015BF2A	2.000 x 5.625 (51.0 x 143.0)	6.7	23.6
470 000.0	36DY474F015CF2A	2.500 x 5.625 (64.0 x 143.0)	4.2	34.0
680 000.0	36DY684F015DF2A	3.000 x 5.625 (76.0 x 143.0)	4.1	38.4
25 WV_{DC} AT +85 °C, SURGE = 30 V				
18 000.0	36DY183F025AM2A	1.375 x 2.625 (35.0 x 67.0)	25.0	7.12
22 000.0	36DY223F025AB2A	1.375 x 3.125 (35.0 x 79.0)	21.0	8.42
47 000.0	36DY473F025AF2A	1.375 x 5.625 (35.0 x 143.0)	12.6	14.0
33 000.0	36DY333F025BM2A	2.000 x 2.625 (51.0 x 67.0)	15.4	11.5
47 000.0	36DY473F025BB2A	2.000 x 3.125 (51.0 x 79.0)	12.3	13.8
100 000.0	36DY104F025BF2A	2.000 x 5.625 (51.0 x 143.0)	7.2	22.8
120 000.0	36DY124F025CC2A	2.500 x 4.125 (64.0 x 105.0)	6.7	23.8
220 000.0	36DY224F025DE2A	3.000 x 5.125 (76.0 x 130.0)	4.5	35.3
390 000.0	36DY394F025DJ2A	3.000 x 8.625 (76.0 x 219.0)	3.5	49.5
40 WV_{DC} AT +85 °C, SURGE = 50 V				
4700.0	36DY472F040AN2A	1.375 x 1.625 (35.0 x 41.0)	59.0	3.89
10 000.0	36DY103F040AM2A	1.375 x 2.625 (35.0 x 67.0)	28.0	6.84
12 000.0	36DY123F040AB2A	1.375 x 3.125 (35.0 x 79.0)	23.0	8.10
15 000.0	36DY153F040AL2A	1.375 x 3.625 (35.0 x 92.0)	19.4	9.30
10 000.0	36DY103F040BY2A	2.000 x 1.875 (51.0 x 48.0)	30.0	7.40
27 000.0	36DY273F040BB2A	2.000 x 3.125 (51.0 x 79.0)	12.8	13.5
33 000.0	36DY333F040BL2A	2.000 x 3.625 (51.0 x 92.0)	10.9	15.5
39 000.0	36DY393F040BC2A	2.000 x 4.125 (51.0 x 105.0)	9.6	17.4
47 000.0	36DY473F040CB2A	2.500 x 3.125 (64.0 x 79.0)	9.1	18.4
100 000.0	36DY104F040DC2A	3.000 x 4.125 (76.0 x 105.0)	5.4	29.7
8200.0	36DY822F040AM2A	1.375 x 2.625 (35.0 x 67.0)	29.0	6.66
10 000.0	36DY103F040AB2A	1.375 x 3.125 (35.0 x 79.0)	24.0	7.79
15 000.0	36DY153F040AC2A	1.375 x 4.125 (35.0 x 105.0)	18.2	10.1

**ELECTRICAL DATA AND ORDERING INFORMATION**

CAPACITANCE (μ F)	PART NUMBER	NOMINAL CASE SIZE D x L	MAX. ESR AT 25 °C (m Ω) 120 Hz	MAX. RIPPLE AT +85 °C (A) 120 Hz
50 WV_{DC} AT +85 °C, SURGE = 65 V				
5600.0	36DY562F050AA2A	1.375 x 2.125 (35.0 x 54.0)	40.0	5.25
8200.0	36DY822F050AM2A	1.375 x 2.625 (35.0 x 67.0)	29.0	6.66
10 000.0	36DY103F050AB2A	1.375 x 3.125 (35.0 x 79.0)	24.0	8.60
47 000.0	36DY473F050BF2A	2.000 x 5.625 (51.0 x 143.0)	7.7	22.1
100 000.0	36DY104F050DE2A	3.000 x 5.125 (76.0 x 130.0)	4.8	34.2
180 000.0	36DY184F050DJ2A	3.000 x 8.625 (76.0 x 219.0)	3.6	48.8
60 WV_{DC} AT +85 °C, SURGE = 75 V				
2700.0	36DY272F060AN2A	1.375 x 1.625 (35.0 x 41.0)	69.0	3.62
4700.0	36DY472F060AA2A	1.375 x 2.125 (35.0 x 54.0)	42.0	5.10
8200.0	36DY822F060AB2A	1.375 x 3.125 (35.0 x 79.0)	25.0	7.72
10 000.0	36DY103F060AL2A	1.375 x 3.625 (35.0 x 92.0)	22.0	8.75
15 000.0	36DY153F060BB2A	2.000 x 3.125 (51.0 x 79.0)	13.9	13.0
22 000.0	36DY223F060BL2A	2.000 x 3.625 (51.0 x 92.0)	11.7	15.0
47 000.0	36DY473F060CD2A	2.500 x 4.625 (64.0 x 117.0)	6.6	25.1
100 000.0	36DY104F060DF2A	3.000 x 5.625 (76.0 x 143.0)	4.5	36.7
75 WV_{DC} AT +85 °C, SURGE = 95 V				
1800.0	36DY182F075AN2A	1.375 x 1.625 (35.0 x 41.0)	104.0	2.95
3300.0	36DY332F075AA2A	1.375 x 2.125 (35.0 x 54.0)	62.0	4.19
5600.0	36DY562F075AB2A	1.375 x 3.125 (35.0 x 79.0)	36.0	6.45
6800.0	36DY682F075AL2A	1.375 x 3.625 (35.0 x 92.0)	30.0	7.50
10 000.0	36DY103F075AD2A	1.375 x 4.625 (35.0 x 117.0)	24.0	9.26
12 000.0	36DY123F075BB2A	2.000 x 3.125 (51.0 x 79.0)	18.8	11.1
18 000.0	36DY183F075BC2A	2.000 x 4.125 (51.0 x 105.0)	13.7	14.5
47 000.0	36DY473F075CF2A	2.500 x 5.625 (64.0 x 143.0)	6.7	26.9
47 000.0	36DY473F075DC2A	3.000 x 4.125 (76.0 x 105.0)	8.9	23.2
120 000.0	36DY124F075DJ2A	3.000 x 8.625 (76.0 x 219.0)	5.0	41.5
100 WV_{DC} AT +85 °C, SURGE = 125 V				
1800.0	36DY182F100AM2A	1.375 x 2.625 (35.0 x 67.0)	56.0	4.82
4700.0	36DY472F100AC2A	1.375 x 4.125 (35.0 x 105.0)	32.0	7.68
4700.0	36DY472F100BM2A	2.000 x 2.625 (51.0 x 67.0)	30.0	8.29
10 000.0	36DY103F100BC2A	2.000 x 4.125 (51.0 x 105.0)	16.3	13.3
10 000.0	36DY103F100CB2A	2.500 x 3.125 (64.0 x 79.0)	14.8	14.5
18 000.0	36DY183F100DL2A	3.000 x 3.625 (76.0 x 92.0)	11.2	19.7
33 000.0	36DY333F100DE2A	3.000 x 5.125 (76.0 x 130.0)	7.9	26.7
150 WV_{DC} AT +85 °C, SURGE = 175 V				
2700.0	36DY272F150AF2A	1.375 x 5.625 (35.0 x 143.0)	35.0	6.84
2200.0	36DY222F150BB2A	2.000 x 3.125 (51.0 x 79.0)	57.0	5.22
5600.0	36DY562F150BF2A	2.000 x 5.625 (51.0 x 143.0)	22.0	10.66
10 000.0	36DY103F150CF2A	2.500 x 5.625 (64.0 x 143.0)	12.0	16.43
10 000.0	36DY103F150DC2A	3.000 x 4.125 (76.0 x 105.0)	17.0	13.68
200 WV_{DC} AT +85 °C, SURGE = 250 V				
1000.0	36DY102F200AB2A	1.375 x 3.125 (35.0 x 79.0)	84.0	1.5
1500.0	36DY152F200BM2A	2.000 x 2.625 (51.0 x 67.0)	72.0	4.36
2200.0	36DY222F200BL2A	2.000 x 3.625 (51.0 x 92.0)	49.0	5.97
2700.0	36DY272F200BC2A	2.000 x 4.125 (51.0 x 105.0)	40.0	6.95
3300.0	36DY332F200CB2A	2.500 x 3.125 (64.0 x 79.0)	32.0	8.03
4700.0	36DY472F200CC2A	2.500 x 4.125 (64.0 x 105.0)	22.0	10.73
10 000.0	36DY103F200DE2A	3.000 x 5.125 (76.0 x 130.0)	14.0	16.36

**ELECTRICAL DATA AND ORDERING INFORMATION**

CAPACITANCE (μ F)	PART NUMBER	NOMINAL CASE SIZE D x L	MAX. ESR AT 25 °C (m Ω) 120 Hz	MAX. RIPPLE AT +85 °C (A) 120 Hz
250 WV_{DC} AT +85 °C, SURGE = 300 V				
560.0	36DY561F250AM2A	1.375 x 2.625 (35.0 x 67.0)	132.0	2.55
1000.0	36DY102F250AL2A	1.375 x 3.625 (35.0 x 92.0)	74.0	3.89
2700.0	36DY272F250BD2A	2.000 x 4.625 (51.0 x 117.0)	34.0	7.90
3300.0	36DY332F250BF2A	2.000 x 5.625 (51.0 x 143.0)	29.0	9.44
2700.0	36DY272F250CB2A	2.500 x 3.125 (64.0 x 79.0)	34.0	7.79
4700.0	36DY472F250DL2A	3.000 x 3.625 (76.0 x 92.0)	24.0	10.99
10 000.0	36DY103F250DF2A	3.000 x 5.625 (76.0 x 143.0)	11.0	19.14
350 WV_{DC} AT +85 °C, SURGE = 400 V				
470.0	36DY471F350AB2A	1.375 x 3.125 (35.0 x 79.0)	272.0	1.91
1000.0	36DY102F350AF2A	1.375 x 5.625 (35.0 x 143.0)	128.0	3.58
1000.0	36DY102F350BL2A	2.000 x 3.625 (51.0 x 92.0)	136.0	3.58
1800.0	36DY182F350BF2A	2.000 x 5.625 (51.0 x 143.0)	76.0	5.73
3300.0	36DY332F350DC2A	3.000 x 4.125 (76.0 x 105.0)	44.0	8.50
4700.0	36DY472F350DE2A	3.000 x 5.125 (76.0 x 130.0)	31.0	10.99
400 WV_{DC} AT +85 °C, SURGE = 450 V				
270.0	36DY271F400AM2A	1.375 x 2.625 (35.0 x 67.0)	429.0	1.41
680.0	36DY681F400AE2A	1.375 x 5.125 (35.0 x 130.0)	170.0	2.98
1000.0	36DY102F400BC2A	2.000 x 4.125 (51.0 x 105.0)	123.0	3.96
2200.0	36DY222F400CD2A	2.500 x 4.625 (64.0 x 117.0)	55.0	7.09
2700.0	36DY272F400DC2A	3.000 x 4.125 (76.0 x 105.0)	48.0	8.14
6800.0	36DY682F400DJ2A	3.000 x 8.625 (76.0 x 219.0)	19.0	17.36
450 WV_{DC} AT +85 °C, SURGE = 525 V				
330.0	36DY331F450AB2A	1.375 x 3.125 (35.0 x 79.0)	317.0	1.77
680.0	36DY681F450AE2A	1.375 x 5.125 (35.0 x 130.0)	164.0	3.13
1000.0	36DY102F450BC2A	2.000 x 4.125 (51.0 x 105.0)	113.0	4.13
2700.0	36DY272F450CF2A	2.500 x 5.625 (64.0 x 143.0)	42.0	8.78
3300.0	36DY332F450DD2A	3.000 x 4.625 (76.0 x 117.0)	36.0	10.20
5600.0	36DY562F450DJ2A	3.000 x 8.625 (76.0 x 219.0)	21.0	16.51



Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and/or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.