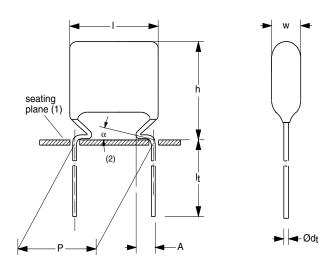




# Metallized Polyester Film Capacitors MKT Radial Epoxy Lacquered Type



#### Dimensions in mm

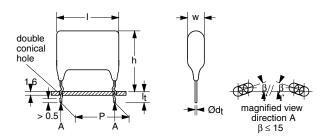
 $^{(1)}$  Hole  $\varnothing$  1.0 for  $d_t=0.6\ mm$ 

Hole  $\varnothing$  1.3 for  $d_t$  = 0.8 mm

 $^{(2)}$  0  $\leq \alpha < 50^{\circ}$ 

 $^{(3)}$  A = 2.0 + 1.0/- 0.5 mm (pitch = 10.0 mm)

A = 2.5 + 1.4 / -0.5 mm (pitch = 15.0 mm, 22.5 mm and 27.5 mm)



Dimensions in mm

#### **APPLICATIONS**

Blocking and coupling. Bypass and energy reservoir

#### **MARKING**

C-value; tolerance; rated voltage

### **DIELECTRIC**

Polyester film

#### **ELECTRODES**

Vacuum deposited aluminium

#### **FEATURES**

Available taped on reel and loose in box

 Material categorization: for definitions of compliance please see www.vishay.com/doc?99912





RoHS COMPLIANT

#### COATING

Flame retardant epoxy material (UL-class 94 V-0)

#### CONSTRUCTION

Wound mono construction

#### **LEADS**

Tinned wire

### **CAPACITANCE RANGE (E12 SERIES)**

0.001 to  $1.0 \mu F$ 

### **CAPACITANCE TOLERANCE**

± 10 %; ± 5 %

#### RATED (DC) VOLTAGE

63 V; 100 V; 250 V; 400 V; 630 V

### RATED (AC) VOLTAGE

40 V; 63 V; 160 V; 220 V; 250 V

#### **CLIMATIC CATEGORY**

55/105/56

### **RATED TEMPERATURE**

85 °C

#### **MAXIMUM APPLICATION TEMPERATURE**

105 °C

#### REFERENCE SPECIFICATIONS

IEC 60384-2

### **PERFORMANCE GRADE**

Grade 1 (long life)

#### **DETAIL SPECIFICATION**

For more detailed data and test requirements see "Type detail specification HQN-384-02/101"





### **COMPOSITION OF CATALOG NUMBER**

TYP	PE AND PITCH				C.A	APACITA	NCE	1	MULTI	
	10.0 m	m			(1	numerica	ally)		(nF	-)
368	15.0 m	m			(1	lumence	aliy <i>)</i>		0.1	2
300	22.5 m	m							1	3
	27.5 m	m						Example:	10	4
	•		•					104 = 10 x 10 = 100 nF	100	5
			2222	368	XX	XX	X			
			BFC2*	368	XX	XX	X	<ul> <li>* Use this partnumber for the the Vishay's SAP system site within the Americas</li> </ul>		
			1		<u> </u>		•			

TYPE	PACKAGING	LEAD CONFIGURATION	ON REQUEST						
ITPE	PACKAGING	LEAD CONFIGURATION	C-TOL	63 V	100 V	250 V	400 V	630 V	
		load longth 4.0 + 1.0/ 0.5 mm	± 10 %	15	25	45	55	65	
	lead length 4.0 + 1.0/- 0.5 mm	±5%	16	26	46	56	66		
		lead length 4.0 + 1.0/- 0.5 mm (lock lead)	± 10 %	-	90	90	90	90	
		lead length 4.0 + 1.0/- 0.5 mm (lock lead)	dimensions of this code numbers stays between brackets						
	loose in box	lead length 3.5 ± 0.5 mm	± 10 %	13	23	43	53	63	
368	10000 III DOX	lead length 3.5 ± 0.5 mm	±5%	17	27	47	57	67	
000		long leads:	± 10 %	11	21	41	51	61	
		$19.0\pm4.0$ mm for lead pitch = 15.0 mm $25.0\pm4.0$ mm for lead pitch = 22.5 mm $24.0\pm4.0$ mm for lead pitch = 27.5 mm	± 5 %	12	22	42	between 53 57	62	
	taped on reel	H = 16.0 mm; P <sub>0</sub> = 12.7 mm;	± 10 %	18	28	48	58	68	
	taped on reei	reel diameter = 500 mm	±5%	19	29	49	59	69	

### **SPECIFIC REFERENCE DATA**

DESCRIPTION			VALUE				
Tangent of loss angle:	at 1 kH	z	at 10 kHz		at	100 kHz	
C ≤ 0.1 µF	≤ 75 x 1	0-4	≤ 130 x 10 <sup>-4</sup>		≤ 2	≤ 225 x 10 <sup>-4</sup>	
0.1 μF < C ≤ 0.47 μF	≤ 75 x 1	0-4	$\leq 130 \times 10^{-4}$		≤ 3	00 x 10 <sup>-4</sup>	
$0.47 \ \mu F < C \le 1.0 \ \mu F$	≤ 75 x 1	0-4	$\leq 130 \times 10^{-4}$			-	
Rated voltage pulse slope (dU/dt) <sub>R</sub>	at 63 V (DC)	at 100 V (D0	c) at 250 V (DC)	at 40	00 V (DC)	at 630 V (DC)	
P = 10 mm	30 V/μs	30 V/µs	70 V/μs	11	0 V/μs	70 V/μs	
P = 15 mm		20 V/μs	28 V/μs	44	4 V/μs	70 V/μs	
P = 22.5 mm		8 V/µs	12 V/µs	20	0 V/μs	28 V/µs	
P = 27.5 mm		7 V/μs	10 V/μs	16	6 V/µs	24 V/μs	
R between leads, for C $\leq$ 0.33 $\mu$ F:							
at 10 V; 1 minute	> 15000 MΩ						
at 100 V; 1 minute		> 15000 Mg	$\Omega$ > 30000 M $\Omega$	> 30	$\Omega$ M 0000		
at 500 V; 1 minute						$>$ 30000 M $\Omega$	
RC between leads, for C > 0.33 $\mu$ F:							
at 10 V; 1 minute	> 5000 s						
at 100 V; 1 minute		> 5000 s	> 10000 s	> 1	0000 s		
at 500 V; 1 minute						> 10000 s	
R between interconnecting leads and casing;							
at 10 V; 1 minute	> 30000 MΩ						
at 100 V; 1 minute		> 30000 Mg	$\Omega$ > 30000 M $\Omega$	> 30	$\Omega$ M 0000		
at 500 V; 1 minute						$>$ 30000 M $\Omega$	
Withstanding (DC) voltage (cut off current 10 mA); rise time 100 V/s	100 V; 1 minute	160 V; 1 mini	ute 400 V; 1 minute	640 V	; 1 minute	1008 V; 1 minute	
Withstanding (DC) voltage between leads and case	200 V; 1 minute	200 V; 1 minu	ute 500 V; 1 minute	800 V	; 1 minute	1260 V; 1 minute	



# Vishay BCcomponents

 $U_{Rdc}$  = 63 V;  $U_{Rac}$  = 40 V

				CATALOG NU	JMBER 2222	368 AND	PACKAGING	
			LOC	SE IN BOX		REEL	LOOSE IN E	вох
C (µF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	l <sub>t</sub> = 4.0 + 1.0/-0.5 mm	short leads	long leads		l <sub>t</sub> = 4.0 + 1.0/-0.5 mm	
(μι )	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ
			last 5 digits of catalog number	SPQ	SPQ		last 5 digits of catalog number	
Pitch = 1	10.0 ± 0.4 mm; d <sub>t</sub> = 0.60 :	± 0.06 mr	n				lock lead	
0.22	4.2 x 13.2 (15.5) x 12.5	0.5	15224	2000	1000	1300	90316	1100
0.27	4.0 x 12.8 (15.5) x 12.5	0.5	15274	2000	1000	1300	90317	1100
0.33	4.3 x 13.1 (15.5) x 12.5	0.5	15334	2000	1000	1300	90318	1100
0.39	4.2 x 12.9 (15.5) x 12.5	0.5	15394	2000	1000	1300	90319	1100
0.47	4.3 x 13.4 (16.0) x 12.5	0.5	15474	2000	1000	1200	90321	1000
0.56	4.7 x 13.7 (16.0) x 12.5	0.5	15564	2000	1000	1200	90322	1000
0.68	5.1 x 14.1 (16.5) x 12.5	0.6	15684	2000	1000	1100	90323	1500
0.82	5.5 x 14.5 (17.0) x 12.5	0.6	15824	2000	1000	1000	90324	1250
1.0	6.0 x 15.0 (17.5) x 12.5	0.8	15105	2000	1000	900	90325	1250

 $U_{Rdc} = 100 \text{ V}; U_{Rac} = 63 \text{ V}$ 

				CATALOG NU	MBER 2222 3	368 AND	PACKAGING	
			LOC	SE IN BOX		REEL	LOOSE IN E	вох
C (μF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	I <sub>t</sub> = 4.0 + 1.0/- 0.5 mm	short leads	long leads		l <sub>t</sub> = 4.0 + 1.0/-0.5 mm	
(μι )	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ
			last 5 digits of catalog number	SPQ	SPQ		last 5 digits of catalog number	
Pitch = 1	$0.0 \pm 0.4$ mm; $d_t = 0.60 \pm$	0.06 mm	1				lock lead	
0.056	4.0 x 13.0 (15.0) x 12.5	0.4	25563	2000	1000	1500	90205	1250
0.068	4.0 X 13.0 (13.0) X 12.3	0.4	25683	2000	1000	1300	90206	1230
0.082	3.7 x 12.7 (15.0) x 12.5	0.4	25823	2000	1000	1500	90207	1250
0.10	4.0 x 13.0 (15.0) x 12.5	0.4	25104	2000	1000	1500	90208	1250
0.12	4.3 x 13.3 (15.0) x 12.5	0.4	25124	2000	1000	1500	90209	1250
0.15	3.9 x 12.9 (15.0) x 12.5	0.4	25154	2000	1000	1500	90211	1250
0.18	4.2 x 13.2 (15.5) x 12.5	0.5	25184	2000	1000	1300	90212	1100
0.22	4.5 x 13.6 (16.0) x 12.5	0.5	25224	2000	1000	1200	90213	1000
Pitch = 1	$15.0 \pm 0.4$ mm; $d_t = 0.80 \pm$	0.08 mm	1				lock lead	
0.27			25274				90214	
0.33	5.0 x 14.0 (17.0) x 17.5	0.6	25334	2000	1000	1200	90215	1750
0.39			25394				90216	
0.47	5.5 x 14.5 (17.5) x 17.5	0.7	25474	2000	1000	1100	90217	1500
0.56	3.3 x 14.3 (17.3) x 17.3	0.7	25564	2000	1000	1100	90218	1300
0.68	6.0 x 15.0 (18.0) x 17.5	0.9	25684	2000	1000	1000	90219	1500
0.82	6.5 x 15.5 (18.5) x 17.5	1.0	25824	1000	1000	900	90221	1250
1.0	7.5 x 16.5 (19.5) x 17.5	1.3	25105	1000	1000	800	90222	1000



# Vishay BCcomponents

				CATALOG NU	MBER 2222 3	68 AND	PACKAGING	
			LOC	SE IN BOX		REEL	LOOSE IN E	BOX
C (μF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	I <sub>t</sub> = 4.0 + 1.0/- 0.5 mm	short leads	long leads		l <sub>t</sub> = 4.0 + 1.0/-0.5 mm	
(μ. )	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ
			last 5 digits of catalog number	SPQ	SPQ		last 5 digits of catalog number	
Pitch =	22.5 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	0.08 mn	n				lock lead	
1.2	6.0 x 18.0 (21.0) x 26.0	2.5	25125	1000	1000		90223	1000
1.5	0.0 x 18.0 (21.0) x 26.0	2.5	25155	1000	1000		90224	1000
1.8	7.0 x 19.0 (22.0) x 26.0	3.2	25185	1000	1000		90225	900
2.2	7.5 x 19.5 (23.0) x 26.0	3.5	25225	1000	500		90226	750
2.7	8.5 x 21.5 (24.0) x 26.0	4.1	25275	1000	500		90227	600
3.3	9.0 x 22.0 (24.5) x 26.0	4.5	25335	1000	500		90228	600
Pitch = 2	27.5 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	0.08 mn	n				lock lead	
3.9	9.0 x 22.0 (24.0) x 30.0	4.8	25395	500	500		90229	500
4.7	10.0 x 23.0 (25.0) x 30.0	5.5	25475	500	500		90178	400
5.6	11.0 x 24.0 (26.0) x 30.0	6.2	25565	500	250		90231	350
6.8	12.0 x 25.0 (27.0) x 30.0	6.8	25685	500	250		90232	350

# $U_{Rdc}=$ 250 V; $U_{Rac}=$ 160 V

				CATALOG NU	MBER 2222 3	68 AND	PACKAGING	
			LOC	SE IN BOX		REEL	LOOSE IN B	ОХ
C (µF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	I <sub>t</sub> = 4.0 + 1.0/- 0.5 mm	short leads	long leads		l <sub>t</sub> = 4.0 + 1.0/-0.5 mm	
(μ. /	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ
			last 5 digits of catalog number	SPQ	SPQ		last 5 digits of catalog number	
Pitch = 1	$10.0 \pm 0.4$ mm; $d_t = 0.60 \pm$	0.06 mm	1				lock lead	
0.027	4.2 x 13.0 (15.0) x 12.5	0.4	45273	2000	1000	1500	90233	1250
0.033	4.6 x 13.0 (15.0) x 12.5	0.5	45333	2000	1000	1300	90234	1250
0.039	4.0 x 13.0 (15.0) x 12.5	0.4	45393	2000	1000	1500	90235	1250
0.047	4.5 x 13.5 (15.5) x 12.5	0.5	45473	2000	1000	1500	90176	1250
0.056	4.6 x 13.5 (15.5) x 12.5	0.5	45563	2000	1000	1300	90236	1100
0.068	4.6 x 13.5 (15.5) x 12.5	0.5	45683	2000	1000	1300	90237	1100
0.082	4.4 x 13.4 (16.0) x 12.5	0.5	45823	2000	1000	1200	90238	1000
0.10	4.7 x 13.7 (16.0) x 12.5	0.5	45104	2000	1000	1200	90177	1000
Pitch = 1	$15.0 \pm 0.4$ mm; $d_t = 0.80 \pm$	. 0.08 mm	1				lock lead	
0.12	5.0 x 14.0 (17.0) x 17.5	0.6	45124	2000	1000	1200	90239	1750
0.15	3.0 x 14.0 (17.0) x 17.3	0.0	45154	2000	1000	1200	90241	1730
0.18	5.5 x 14.5 (17.5) x 17.5	0.7	45184	2000	1000	1100	90242	1500
0.22	6.0 x 15.0 (18.0) x 17.5	0.9	45224	2000	1000	1000	90243	1500
0.27	6.0 x 15.5 (18.5) x 17.5	1.0	45274	2000	1000	900	90244	1250
0.33	6.8 x 16.0 (19.0) x 17.5	1.2	45334	1000	1000	800	90245	1250
Pitch = 2	22.5 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	0.08 mm	1				lock lead	
0.39	5.0 x 17.0 (20.0) x 26.0	1.8	45394	1000	1000		90246	1250
0.47	5.5 x 17.5 (20.5) x 26.0	2.2	45474	1000	1000		90247	1250
0.56	6.0 x 18.0 (21.0) x 26.0	2.5	45564	1000	1000		90248	1000
0.68	6.6 x 18.5 (21.5) x 26.0	2.8	45684	1000	1000		90249	1000
0.82	7.2 x 19.0 (22.0) x 26.0	3.2	45824	1000	1000		90251	900
1.0	8.0 x 20.0 (23.0) x 26.0	3.8	45105	1000	500		90252	750



# Vishay BCcomponents

		CATALOG NUMBER 2222 368 A LOOSE IN BOX REEL	868 AND	PACKAGING				
			LOC	SE IN BOX		REEL	LOOSE IN E	зох
C (µF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	I <sub>t</sub> = 4.0 + 1.0/- 0.5 mm	short leads	long leads		l <sub>t</sub> = 4.0 + 1.0/-0.5 mm	
(p. /	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ
			last 5 digits of catalog number	SPQ	SPQ		last 5 digits of catalog number	
Pitch = 2	27.5 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	0.08 mn	1				lock lead	
1.2	8.0 x 21.0 (23.0) x 30.0	4.1	45125	500	500		90253	600
1.5	9.0 x 22.0 (25.0) x 30.0	4.8	45155	500	500		90254	450
1.8	10.0 x 23.0 (26.0) x 30.0	5.5	45185	500	500		90255	400
2.2	11.0 x 24.0 (27.0) x 30.0	6.2	45225	500	250		90256	350

# $\textbf{U}_{\textbf{Rdc}} = \textbf{400 V; } \textbf{U}_{\textbf{Rac}} = \textbf{220 V}$

				CATALOG NU	MBER 2222 3	868 AND	PACKAGING	
			LOC	SE IN BOX		REEL	LOOSE IN E	вох
C (μF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	I <sub>t</sub> = 4.0 + 1.0/- 0.5 mm	short leads	long leads		I <sub>t</sub> = 4.0 + 1.0/-0.5 mm  C-tol = ± 10 %  last 5 digits of catalog number  lock lead  90257  90258  90259  90261  90262  90263  90264  90265  90266  90267  90268  90269  90271  90272  90273  90274  90175	
(pi )	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ
			last 5 digits of catalog number	SPQ	SPQ			
Pitch = 1	10.0 ± 0.4 mm; d <sub>t</sub> = 0.60 ±	0.06 mm	1				lock lead	
0.0010			55102				90257	
0.0012	4.5 x 13.5 (15.5) x 12.5	0.5	55122	2000	1000	1500	90258	1100
0.0015	4.5 X 13.5 (15.5) X 12.5	0.5	55152	2000	1000	1300	90259	1100
0.0018			55182				90261	
0.0022	4.0 x 13.0 (15.5) x 12.5	0.5	55222	2000	1000	1500	90262	1100
0.0027	4.3 x 13.3 (15.5) x 12.5	0.5	55272	2000	1000	1500	90263	1100
0.0033	4.6 x 13.6 (15.5) x 12.5	0.5	55332	2000	1000	1500	90264	1100
0.0039	4.0 x 13.0 (15.5) x 12.5	0.5	55392	2000	1000	1500	90265	1100
0.0047	4.1 x 13.2 (15.5) x 12.5	0.5	55472	2000	1000	1500	90266	1100
0.0056			55562				90267	
0.0068	4.6 x 13.6 (15.5) x 12.5	0.5	55682	2000	1000	1500	90268	1100
0.0082	4.6 x 13.6 (13.5) x 12.5	0.5	55822	2000	1000	1300	90269	1100
0.010			55103				90271	
0.012	4.0 x 13.0 (15.5) x 12.5	0.5	55123	2000	1000	1500	90272	1100
0.015	4.1 x 13.0 (15.5) x 12.5	0.5	55153	2000	1000	1300	90273	1100
0.018	4.4 x 13.0 (15.5) x 12.5	0.5	55183	2000	1000	1500	90274	1100
0.022	4.2 x 12.9 (15.5) x 12.5	0.5	55223	2000	1000	1500	90175	1100
0.027	4.2 x 13.2 (15.5) x 12.5	0.5	55273	2000	1000	1300	90275	1100
0.033	4.6 x 13.7 (15.5) x 12.5	0.5	55333	2000	1000	1300	90188	1100
Pitch = 1	15.0 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	0.08 mm	1				lock lead	
0.039	5.0 x 13.9 (16.5) x 17.5	0.6	55393	2000	1000	1200	90276	2000
0.047	5.4 x 14.5 (17.0) x 17.5	0.7	55473	2000	1000	1200	90277	1750
0.056	5.0 x 13.7 (16.5) x 17.5	0.6	55563	2000	1000	1200	90278	2000
0.068	5.0 x 13.5 (16.5) x 17.5	0.6	55683	2000	1000	1200	90279	2000
0.082	4.8 x 14.0 (16.5) x 17.5	0.6	55823	2000	1000	1100	90281	2000
0.10	5.3 x 14.5 (17.5) x 17.5	0.7	55104	2000	1000	1000	90186	1500
0.12	5.7 x 15.0 (18.0) x 17.5	0.9	55124	1000	1000	900	90282	1500
0.15	6.4 x 15.5 (18.5) x 17.5	1.0	55154	1000	1000	800	90187	1250



# Vishay BCcomponents

				CATALOG NUMBER 2222 368 AND PACKAGING					
			LOC	SE IN BOX		REEL	LOOSE IN BOX		
C (μF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	I <sub>t</sub> = 4.0 + 1.0/- 0.5 mm	short leads	long leads		l <sub>t</sub> = 4.0 + 1.0/-0.5 mm		
(μ. )	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ	
			last 5 digits of catalog number	SPQ	SPQ		last 5 digits of catalog number		
Pitch =	22.5 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	0.08 mn	n				lock lead		
0.18	5.6 x 17.5 (20.5) x 26.0	2.2	55184	1000	1000		90283	1250	
0.22	6.3 x 18.5 (21.5) x 26.0	2.8	55224	1000	1000		90284	1000	
0.27	6.0 x 18.0 (21.0) x 26.0	2.5	55274	1000	1000		90285	1000	
0.33	6.4 x 18.5 (21.5) x 26.0	2.8	55334	1000	1000		90286	1000	
0.39	7.1 x 19.0 (21.5) x 26.0	2.8	55394	1000	1000		90287	900	
0.47	8.0 x 20.0 (22.5) x 26.0	3.8	55474	1000	500		90179	750	
Pitch =	27.5 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	0.08 mn	n				lock lead		
0.56	7.5 x 20.5 (22.5) x 30.0	3.8	55564	500	500		90288	600	
0.68	8.5 x 21.5 (23.5) x 30.0	4.5	55684	500	500		90289	500	
0.82	9.5 x 22.5 (24.5) x 30.0	5.2	55824	500	500		90291	450	
1.0	10.5 x 23.5 (26.5) x 30.0	5.8	55105	500	250		90292	350	

# $\textbf{U}_{\textbf{Rdc}} = \textbf{630 V; } \textbf{U}_{\textbf{Rac}} = \textbf{250 V}$

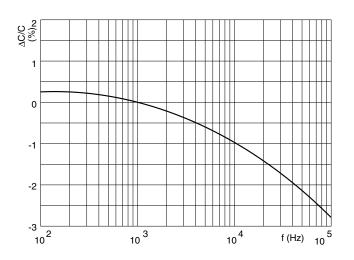
				CATALOG NU	MBER 2222 3	68 AND	PACKAGING	LOOSE IN BOX  It =  1.0 + 1.0/-0.5 mm  C-tol = ± 10 %  last 5 digits of catalog number  lock lead  90293 1100  90294 1000  90295 1500  90296 1250  90297 1250  lock lead  90298 1500  90299 1500  90301 1250  90302 1250  90303 1000  90304 1000	
			LOC	SE IN BOX		REEL	LOOSE IN E	вох	
C (μF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	I <sub>t</sub> = 4.0 + 1.0/- 0.5 mm	short leads	long leads		l <sub>t</sub> = 4.0 + 1.0/-0.5 mm		
(μ. )	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ	
			last 5 digits of catalog number	SPQ	SPQ		last 5 digits of catalog number		
Pitch =	10.0 ± 0.4 mm; d <sub>t</sub> = 0.60 ±	0.06 mn	1	•			lock lead		
0.010	4.3 x 13.1 (15.5) x 12.5	0.5	65103	2000	1000	1300	90293	1100	
0.012	4.6 x 13.4 (16.0) x 12.5	0.5	65123	2000	1000	1200	90294	1000	
0.015	4.9 x 13.9 (16.5) x 12.5	0.6	65153	2000	1000	1100	90295	1500	
0.018	5.3 x 14.3 (17.0) x 12.5	0.6	65183	2000	1000	1000	90296	1250	
0.022	5.9 x 14.9 (17.5) x 12.5	0.8	65223	2000	1000	900	90297	1250	
Pitch =	15.0 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	. 0.08 mn	1				lock lead		
0.027	5.5 x 14.5 (17.5) x 17.5	0.7	65273	2000	1000	1100	90298	1500	
0.033	6.0 x 15.0 (18.0) x 17.5	0.9	65333	2000	1000	1000	90299	1500	
0.039	6.3 x 15.5 (18.5) x 17.5	1.0	65393	2000	1000	900	90301	1250	
0.047	7.0 x 16.0 (19.0) x 17.5	1.2	65473	2000	1000	800	90302	1250	
0.056	7.5 x 16.5 (19.5) x 17.5	1.3	65563	1000	1000	800	90303	1000	
0.068	8.0 x 17.0 (20.0) x 17.5	1.4	65683	1000	1000	750	90304	1000	
Pitch =	22.5 ± 0.4 mm; d <sub>t</sub> = 0.80 ±	0.08 mn	1				lock lead		
0.082	6.1 x 18.0 (21.0) x 26.0	2.5	65823	1000	1000		90305	1000	
0.10	7.0 x 19.0 (22.0) x 26.0	3.2	65104	1000	1000		90306	900	
0.12	7.2 x 19.5 (22.5) x 26.0	3.5	65124	1000	1000		90307	750	
0.15	8.0 x 21.0 (23.0) x 26.0	3.8	65154	1000	500		90308	750	
0.18	9.0 x 22.0 (24.0) x 26.0	4.5	65184	1000	500		90309	600	
0.22	10.0 x 23.0 (25.0) x 26.0	5.2	65224	1000	500		90311	550	

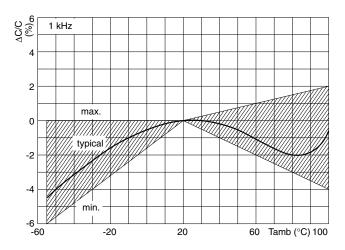


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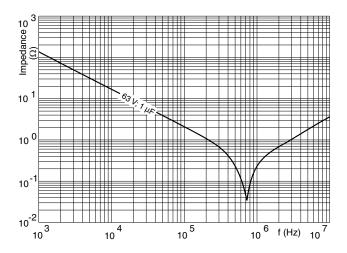
				CATALOG NU	MBER 2222 3	368 AND	PACKAGING	
			LOC	SE IN BOX		REEL	LOOSE IN E	зох
C (µF)	DIMENSIONS w <sub>max</sub> x h <sub>max</sub> x I <sub>max</sub>	MASS (g)	I <sub>t</sub> = 4.0 + 1.0/- 0.5 mm	short leads	long leads		l <sub>t</sub> = 4.0 + 1.0/-0.5 mm	
(μ. )	(mm)	(9)	C-tol = ± 10 %			SPQ	C-tol = ± 10 %	SPQ
			last 5 digits of catalog number	SPQ	SPQ		last 5 digits of catalog number	
Pitch = 2	$27.5 \pm 0.4$ mm; $d_t = 0.80 \pm$	0.08 mm	1				lock lead	
0.27	10.0 x 23.0 (25.0) x 30.0	5.5	65274	500	500		90312	400
0.33	11.5 x 24.5 (26.5) x 30.0	6.5	65334	500	250		90313	350
0.39	12.5 x 25.5 (28.5) x 30.0	7.1	65394	500	250		90314	300
0.47	14.0 x 27.0 (30.0) x 30.0	8.2	65474	250	250		90315	250

### **CAPACITANCE**



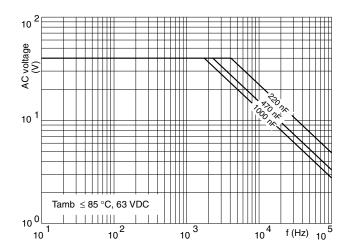


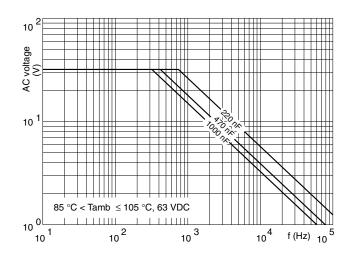
#### **IMPEDANCE**

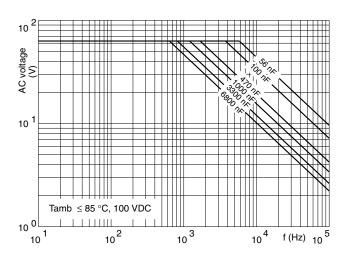


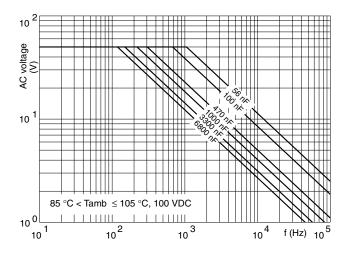


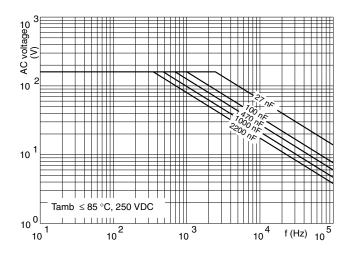
# MAXIMUM RMS VOLTAGE (SINEWAVE) AS A FUNCTION OF FREQUENCY

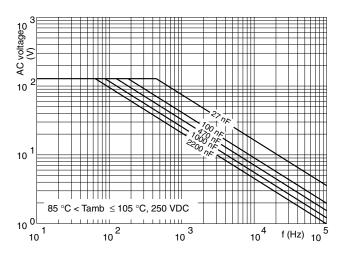








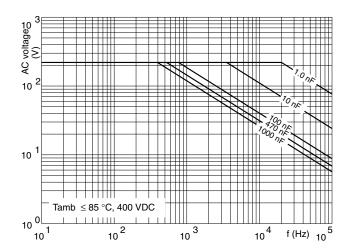


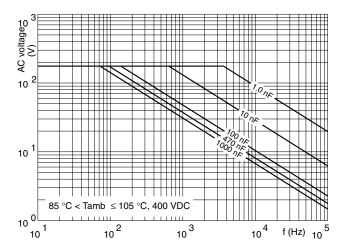


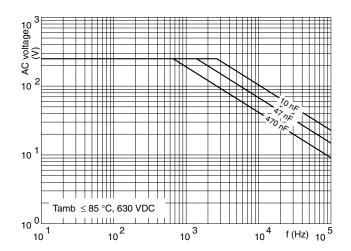


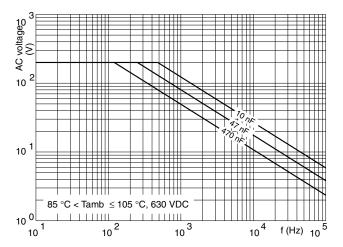


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