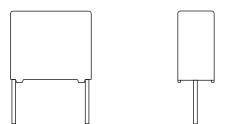


Interference Suppression Film Capacitors MKP Radial Potted Type



FEATURES

- 15 mm to 55 mm lead pitch
- Supplied loose in box, taped on reel
- Material categorization:
 For definitions of compliance please see www.vishay.com/doc?99912



ROHS

APPLICATIONS

X2 class

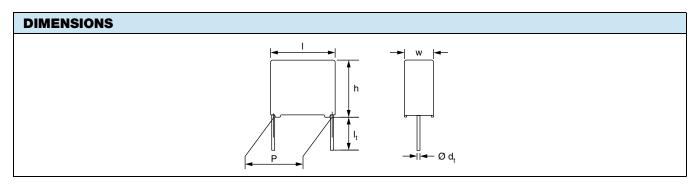
For X2 electromagnetic interference suppression in across the line applications (50 Hz/60 Hz) with a maximum mains voltage of 300 V_{AC} or 305 V_{AC} for pitch \geq 37.5 mm).

Please see section Application Notes in this specification and especially www.vishav.com/doc?28153.

QUICK REFERENCE DATA		
Capacitance range (E12 series)	E12 series 0.01 μF to 10 μF Preferred values acc. to E6	
Capacitance tolerance	± 20 %, ± 10 %	
Rated AC voltage	$300~V_{AC}; 50~Hz$ to $60~Hz$ (for pitch $< 37.5~mm$) $305~V_{AC}; 50~Hz$ to $60~Hz$ (for pitch $\ge 37.5~mm$)	
Permissible DC voltage	800 V _{DC} at 85 °C 630 V _{DC} at 110 °C	
Climatic testing class acc. to IEC 60068-1	55/105/56/C for product volumes \leq 1750 mm ³ 55/105/56/B for product volumes $>$ 1750 mm ³	
Rated temperature	105 °C	
Maximum application temperature	105 °C	
Reference standards	IEC 60384-14 and EN60384-14 IEC 60065 pass. flamm. class B for volumes > 1750 mm ³ ENEC; UL 60384-14	
Dielectric	Polypropylene film	
Electrodes	Metallized film	
Construction Mono construction		
Encapsulation	Plastic case, epoxy resin sealed, flame retardant UL-class 94 V-0	
Leads	Tinned wire	
C-value; tolerance; rated voltage; sub-class; manufacturer's type des darking code for dielectric material; manufacturer location; manufacturer's emblem; year and week		

Note

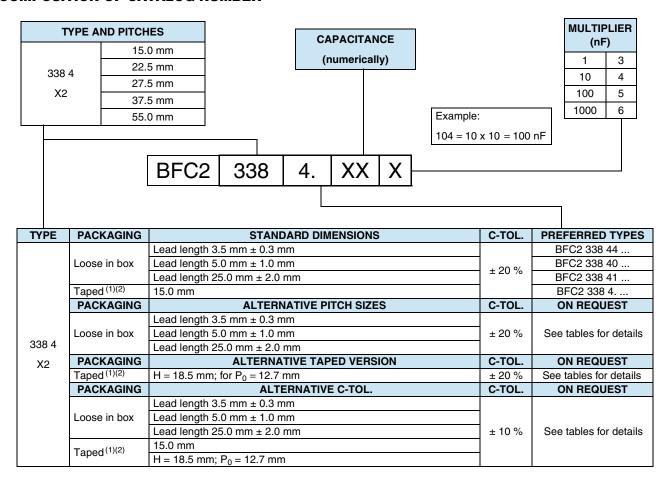
• For more detailed data and test requirements, contact rfi@vishay.com



Revision: 10-Jul-13 Document Number: 28118



COMPOSITION OF CATALOG NUMBER



Notes

(1) For detailed tape specification refer to packaging information: www.vishay.com/doc?28139

⁽²⁾ Tape on reel pitch = 27.5 mm is not available

SPECIFIC REFERENCE DATA					
DESCRIPTION		VALUE			
Tangent of loss angle:	at 1 kHz	at 10 kHz	at 100 kHz		
Pitch = 15 mm; 22.5 mm and 27.5 mm for C ≤ 470 nF	≤ 10 x 10 ⁻⁴	≤ 20 x 10 ⁻⁴	≤ 100 x 10 ⁻⁴		
Pitch = 15 mm; 22.5 mm and 27.5 mm for 470 nF < C \leq 1 μ F	≤ 20 x 10 ⁻⁴	≤ 70 x 10 ⁻⁴	-		
Pitch = 15 mm; 22.5 mm and 27.5 mm for 1 μ F < C \leq 3.3 μ F	≤ 30 x 10 ⁻⁴	-	-		
Pitch = 37.5 mm and 55 mm for 2.2 μ F < C \leq 4.7 μ F	≤ 50 x 10 ⁻⁴	-	-		
Pitch = 37.5 mm and 55 mm for 4.7 μ F < C \leq 10 μ F	≤ 100 x 10 ⁻⁴	-	-		
Rated voltage pulse slope (dU/dt) _R at 420 V _{DC}		100 V/μs			
R between leads, for C ≤ 0.33 µF at 100 V; 1 min		> 15 000 MΩ			
RC between leads, for C > 0.33 µF at 100 V; 1 min		> 5000 s			
R between leads and case; 100 V; 1 min		$>$ 30 000 M Ω			
Withstanding (DC) voltage (cut off current 10 mA) ⁽¹⁾ ; rise time ≤ 1000 V/s:					
C ≤ 1 µF	2200 V; 1 min				
1 μF < C \leq 3.3 μF (not pitch = 37.5 mm)	1850 V; 1 min				
Pitch = 37.5 mm and 55 mm	1400 V; 1 min				
Withstanding (AC) voltage between leads and case		2200 V; 1 min			

Note

(1) See "Voltage Proof Test for Metalized Film Capacitors": www.vishay.com/doc?28169



ELE	CTRICA	AL DATA AND O	RDERING	G INFORMAT	TION					
				(CATALOG NUME	BER BF	C2 338 AND P	ACKAG		
	LOOSE IN BOX								REEL	(1)(2)
U _{RAC} (V)	CAP. (μF) DIMENSIONS w x h x l (mm)	MASS ⁽³⁾ (g)	SHC	SHORT LEADS		LONG LEADS		Ø = 500 mm H = 18.5 mm; P ₀ = 12.7 mm		
				l _t = 3.5 mm ± 0.3 mm	l _t = 5.0 mm ± 1.0 mm	SPQ	l _t = 25.0 mm ± 2.0 mm	SPQ		SPQ
		PI	TCH = 15.0	mm ± 0.4 mm; d	t = 0.60 mm ± 0.0	6 mm;	C-TOL. = ± 20 %			
	0.010			44103	40103		41103		48127	
	0.015			44153	40153		41153		48128	
	0.022	5.0 x 11.0 x 17.5	1.0	44223	40223	1000	41223	1000	48129	1000
	0.033	3.0 X 11.0 X 17.3	1.0	44333	40333	1000	41333	1000	48131	1000
	0.047			44473	40473		41473		48132	
	0.068			44683	40683		41683		48133	
	0.10	6.0 x 12.0 x 17.5	1.4	44104	40104	1000	41104	1000	48134	1000
	•	PI	TCH = 15.0	mm ± 0.4 mm; d	= 0.80 mm ± 0.0	8 mm;	C-TOL. = ± 20 %			•
	0.15	7.0 x 13.5 x 17.5	1.8	44154	40154	750	41154	500	48135	500
	0.22	8.5 x 15.0 x 17.5	2.4	44224	40224	750	41224	500	48136	500
	0.33	10.0 x 16.5 x 17.5	3.0	44334	40334	500	41334	450	48137	600
300		PI	TCH = 22.5	mm ± 0.4 mm; d	= 0.80 mm ± 0.0	8 mm;	C-TOL. = ± 20 %	1		
	0.22			48101	48109		48118			-
	0.33	7.0 x 16.5 x 26.0	2.9	48103	48112	200	48121	250		
	0.47	8.5 x 18.0 x 26.0	3.8	44474	40474	200	41474	250		
	0.68	10.0 x 19.5 x 26.0	6.8	44684	40684	200	41684	200		
	1.0	12.0 x 22.0 x 26.0	7.8	44105	40105	150	41105	200		
	I	PI	TCH = 27.5	mm ± 0.4 mm; d	= 0.80 mm ± 0.0	8 mm;	C-TOL. = ± 20 %	<u> </u>		
	0.47	9.0 x 19.0 x 31.0	5.5	48104	48113	100	48122	150		
	0.68			48106	48115		48124			
	1.0	11.0 x 21.0 x 31.0	7.4	48108	48117	100	48126	150		
	1.5	15.0 x 25.0 x 31.0	12.3	44155	40155	100	41155	125	-	-
	2.2	18.0 x 28.0 x 31.0	16.1	44225	40225	100	41225	100		
	3.3	21.0 x 31.0 x 31.0	20.3	44335	40335	50	41335	75		
	l	F	PITCH = 37.5	5 mm ± 0.7 mm; (d _t = 1.0 mm ± 0.1	mm; C	C-TOL. = ± 20 %	l l		
	4.7	18.5 x 35.5 x 43.0	29.0	,	40475	105	41475	105		
	6.8	21.5 x 38.5 x 43.0	35.0	_	40685	91	41685	91		_
305	10	30.0 x 46.0 x 44.0	55.0		48159	63	48161	63		1
				0 mm ± 1.0 mm; (
	10	21.5 x 38.5 x 61.0	50.0	-	40106	65	41106	65	_	l -
	l l	PI	l	mm ± 0.4 mm; d	= 0.60 mm ± 0.0	6 mm:	C-TOL. = ± 10 %	l l		
	0.010			45103	42103		43103		48138	
	0.015			45153	42153		43153		48141 48143	
	0.022			45223	42223		43223			
300	0.033	5.0 x 11.0 x 17.5	1.0	45333	42333	1000	43333	1000	48145	1000
	0.047			45473	42473		43473		48147	
	0.047			45683	42683		43683		48149	
	0.10	6.0 x 12.0 x 17.5	1.4	45104	42104	1000	43104	1000	48153	1000



Vishay BCcomponents

ELE	ELECTRICAL DATA AND ORDERING INFORMATION										
	CATALOG NUMBER BFC2 338 AND PACKAGING										
	CAP. (μF) DIMENSIONS w x h x l (g) (g)			LOOSE IN BOX				REEL (1)(2) Ø = 500 mm H = 18.5 mm; P ₀ = 12.7 mm			
U _{RAC} (V)			MASS ⁽³⁾ (g)	SHORT LEADS		LONG LEADS					
				l _t = 3.5 mm ± 0.3 mm	l _t = 5.0 mm ± 1.0 mm	SPQ	l _t = 25.0 mm ± 2.0 mm	SPQ		SPQ	
	PITCH = 15.0 mm ± 0.4 mm; d _t = 0.80 mm ± 0.08 mm; C-TOL. = ± 10 %										
	0.12		1.0	45124	42124	750	43124	500	48154 48155		
	0.15	7.0 x 13.5 x 17.5	1.8	45154	42154	750	43154	500		500	
	0.18	0.5 15 0 17.5	0.4	45184	42184	750	43184	500	48156	F00	
	0.22	8.5 x 15.0 x 17.5	2.4	45224	42224	750	43224	500	48157	500	
	0.27	10.0 x 16.5 x 17.5	3.0	45274	42274	500	43274	450	48158	600	
		PI	TCH = 22.5	mm ± 0.4 mm; d ₁	= 0.80 mm ± 0.0	8 mm;	C-TOL. = ± 10 %				
	0.33	8.5 x 18.0 x 26.0	3.8	45334	42334	200	43334	250			
	0.47	10.0 x 19.5 x 26.0	6.8	45474	42474	200	43474	200	-	-	
	0.68	12.0 x 22.0 x 26.0	7.8	45684	42684	150	43684	200			
		PI	TCH = 27.5	mm ± 0.4 mm; d ₁	t = 0.80 mm ± 0.0	8 mm;	C-TOL. = ± 10 %				
	1.0	13.0 x 23.0 x 31.0	9.2	45105	42105	100	43105	125			
300	1.5	15.0 x 25.0 x 31.0	12.3	45155	42155	100	43155	125	-	-	
300	2.2	21.0 x 31.0 x 31.0	20.3	45225	42225	50	43225	75			
		F	PITCH = 37.5	5 mm ± 0.7 mm;	d _t = 1.0 mm ± 0.1	mm; C	C-TOL. = ± 10 %				
	3.3	18.5 x 35.5 x 43.0	32.0		42335	105	43335	105			
	3.9	16.5 X 55.5 X 45.0	32.0		42395	103	43395	103			
	4.7	21.5 x 38.5 x 43.0	30.0		42475	91	43475	91			
	5.6	21.3 x 36.3 x 43.0	39.0	39.0	-	42565	43565	43565	J .	-	-
	6.8	30.0 x 46.0 x 44.0	55.0		48162		48165	63			
	8.2	00.0 X 40.0 X 44.0	55.0		48163	63	48166				
	10	30.0 x 46.0 x 44.0	65.0		48164		48167				
		F	PITCH = 55.0) mm ± 1.0 mm;	d _t = 1.0 mm ± 0.1	mm; C	C-TOL. = ± 10 %				
	6.8				42685		43685				
1	8.2	21.5 x 38.5 x 61.0	50.0	-	42825	65	43825	65	-	-	
	10				42106		43106				

Notes

- SPQ = Standard Packing Quantity
- (1) H = In-tape height; P₀ = Sprocket hole distance; for detailed specifications refer to packaging information: <u>www.vishay.com/doc?28139</u>
- (2) Reel diameter = 356 mm is available on request
- (3) Weight for short lead product only



APPROVALS					
SAFETY APPROVALS X2	VOLTAGE	VALUE	FILE NUMBERS		
EN 60384-14 (ENEC) (= IEC 60384-14)	300 V _{AC}	10 nF to 10 μF	FI 2013014		
UL 60384-14	300 V _{AC}	10 nF to 10 μF	E354331		
CSA-E384-14	300 V _{AC}	10 nF to 10 μF	E354331		
CB-test certificate	300 V _{AC}	10 nF to 10 μF	FI 5257 A1		

The ENEC-approval together with the CB-certificate replace all national marks of the following countries (they have already signed the ENEC-agreement): Austria; Belgium; Czech. Republic; Denmark; Finland; France; Germany; Greece; Hungary; Ireland; Italy; Luxembourg; Netherlands; Norway; Portugal; Slovenian; Spain; Sweden; Switzerland; and United Kingdom.





MOUNTING

Normal Use

The capacitors are designed for mounting on printed-circuit boards. The capacitors packed in bandoliers are designed for mounting in printed-circuit boards by means of automatic insertion machines.

For detailed tape specifications refer to packaging information: www.vishay.com/doc?28139

Specific Method of Mounting to Withstand Vibration and Shock

In order to withstand vibration and shock tests, it must be ensured that the stand-off pips are in good contact with the printed-circuit board:

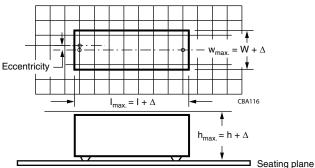
- For pitches ≤ 15 mm capacitors shall be mechanically fixed by the leads
- For longer pitches the capacitors shall be mounted in the same way and the body clamped

Space Requirements on Printed Circuit Board

The maximum space for length ($I_{max.}$), width ($w_{max.}$) and height ($h_{max.}$) of film capacitors to take in account on the printed circuit board is shown in the drawings.

- For products with pitch \leq 15 mm, $\Delta w = \Delta I = 0.3$ mm; $\Delta h = 0.1$ mm
- For products with 15 mm < pitch \leq 27.5 mm, $\Delta w = \Delta l = 0.5$ mm; $\Delta h = 0.1$ mm
- For products with 15 mm < pitch \leq 37.5 mm, $\Delta w = \Delta l = 0.7$ mm; $\Delta h = 0.5$ mm
- For products with 15 mm < pitch \leq 52.5 mm, $\Delta w = \Delta l = 1.0$ mm; $\Delta h = 0.5$ mm

Eccentricity defined as in drawing. The maximum eccentricity is smaller than or equal to the lead diameter of the product concerned.



SOLDERING CONDITIONS

For general soldering conditions and wave soldering profile, we refer to the application note: "Soldering Guidelines for Film Capacitors": www.vishay.com/doc?28171

Storage Temperature

 T_{sta} = - 25 °C to + 35 °C with RH maximum 75 % without condensation

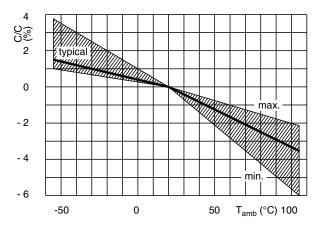
Ratings and Characteristics Reference Conditions

Unless otherwise specified, all electrical values apply to an ambient temperature of 23 °C \pm 1 °C, an atmospheric pressure of 86 kPa to 106 kPa and a relative humidity of 50 % \pm 2 %.

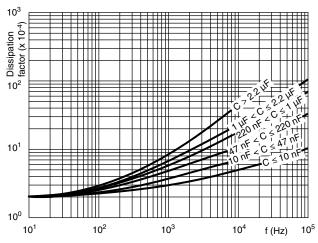
For reference testing, a conditioning period shall be applied over 96 h ± 4 h by heating the products in a circulating air oven at the rated temperature and a relative humidity not exceeding 20 %.



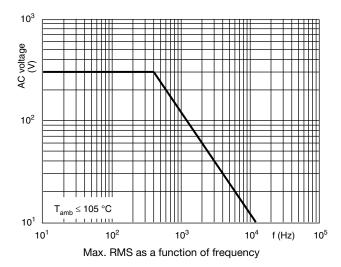
CHARACTERISTICS

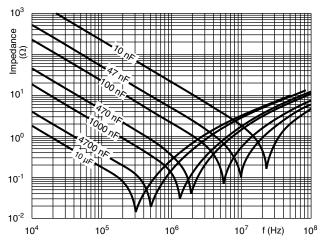


Capacitance as a function of ambient temperature (typical curve)

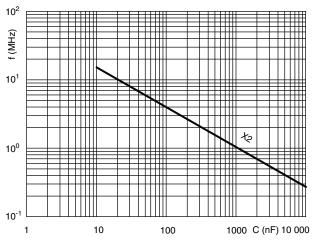


Tangent of loss angle as a function of frequency (typical curve)

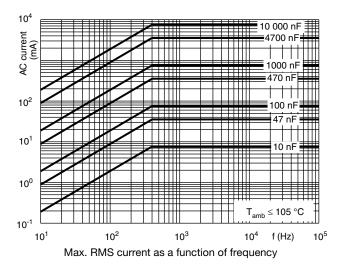


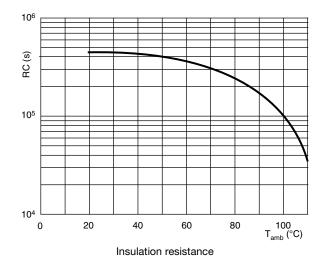


Impedance as a function of frequency (typical curve)



Resonant frequency as a function of capacitance (typical curve)





APPLICATION NOTES

- For X2 electromagnetics interference suppression in standard across the line applications (50 Hz/60 Hz) with a maximum mains voltage of 300 V_{AC} for pitch 15 mm to 22.5 mm and 305 V_{AC} for pitch 37.5 mm to 55 mm.
- For series impedance applications we refer to application note www.vishay.com/doc?28153
- For capacitors connected in parallel, normally the proof voltage and possibly te rated voltage must be reduced. For information depending of the capacitance value and the number of parallel connections contact: rfi@vishav.com
- These capacitors are not intended for continuous pulse applications. For these situations, capacitors of the AC and pulse programs must be used.
- The maximum ambient temperature must not exceed 105 °C.
- Rated voltage pulse slope:

If the pulse voltage is lower than the rated voltage, the values of the specific reference data can be multiplied by 435 V_{DC} and divided by the applied voltage.

INSPECTION REQUIREMENTS

General Notes

Sub-clause numbers of tests and performance requirements refer to the "Sectional Specification, Publication IEC 60384-14 ed-3 and Specific Reference Data."

GROUP C INSPECTION REQUIREMENTS					
SUB-CLAUSE NUMBER AND TEST	CONDITIONS	PERFORMANCE REQUIREMENTS			
SUB-GROUP C1A PART OF SAMPLE OF SUB-GROUP C1					
4.1 Dimensions (detail)		As specified in chapters "General data" of this specification			
Initial measurements	Capacitance Tangent of loss angle at 10 kHz				
4.3 Robustness of terminations	Tensile: For wire diameter = 0.6 mm and 0.8 mm: load 10 N; 10 s For wire diameter = 1 mm: load 20 N; 10 s Bending: For wire diameter = 0.6 mm and 0.8 mm: load 5 N; 4 x 90° For wire diameter = 1 mm: load 10 N; 4 x 90°	No visible damage			



SUB-CLAUSE NUMBER AND TEST	CONDITIONS	PERFORMANCE REQUIREMENTS
SUB-GROUP C1A PART OF SAMPLE OF SUB-GROUP C1		
4.4 Resistance to soldering heat	No pre-drying Method: 1A Solder bath: 280 °C ± 5 °C Duration: 10 s	
4.19 Component solvent resistance	Isopropylalcohol at room temperature Method: 2 Immersion time: 5 min ± 0.5 min Recovery time: Min. 1 h, max 2 h	
4.4.2 Final measurements	Visual examination	No visible damage Legible marking
	Capacitance	$ \Delta C/C \le 5$ % of the value measured initially
	Tangent of loss angle	Increase of tan δ : \leq 0.008 for: C \leq 1 μ F or \leq 0.005 for: C $>$ 1 μ F Compared to values measured initially
	Insulation resistance	As specified in chapters "General data" of this specification
SUB-GROUP C1B PART OF SAMPLE OF SUB-GROUP C1		
Initial measurements	Capacitance Tangent of loss angle: For C ≤ 1 μF at 10 kHz For C > 1 μF at 1 kHz	No visible damage Legible marking
4.20 Solvent resistance of the marking	Isopropylalcohol at room temperature Method: 1 Rubbing material: Cotton wool Immersion time: 5 min. ± 0.5 min	
4.6 Rapid change of temperature	θA = - 55 °C θB = + 105 °C 5 cycles Duration t = 30 min	
4.6.1 Inspection4.7 Vibration	Visual examination Mounting: See section "Mounting" of this specification Procedure B4 Frequency range: 10 Hz to 55 Hz Amplitude: 0.75 mm or Acceleration 98 m/s² (whichever is less severe) Total duration 6 h	No visible damage
4.7.2 Final inspection	Visual examination	No visible damage
4.9 Shock	Mounting: See section "Mounting" for more information Pulse shape: Half sine Acceleration: 490 m/s² Duration of pulse: 11 ms	



SUB-CLAUSE NUMBER AND TEST	CONDITIONS	PERFORMANCE REQUIREMENTS
SUB-GROUP C1B PART OF SAMPLE OF SUB-GROUP C1		
4.9.2 Final measurements	Visual examination	No visible damage
	Capacitance	$ \Delta C/C \le 5$ % of the value measured initially
		Increase of $\tan \delta$: ≤ 0.008 for: $C \leq 1$ µF or ≤ 0.005 for: $C > 1$ µF Compared to values measured initially
	Tangent of loss angle	Increase of $\tan\delta \leq 0.008$ Compared to values measured initially
	Insulation resistance	As specified in chapters "General data" of this specification
SUB-GROUP C1 COMBINED SAMPLE C SPECIMENS OF SUB-GROUPS C1A AN C1B		
4.11 Climatic sequence		
4.11.1 Initial measurements	Capacitance Measured in 4.4.2 and 4.9.2 Tangent of loss angle: Measured initially in C1A and C1B	
4.11.2 Dry heat	Temperature: 105 °C Duration: 16 h	
4.11.3 Damp heat cyclic Test Db First cycle		
4.11.4 Cold	Temperature: - 55 °C Duration: 2 h	
4.11.5 Damp heat cyclic Test Db Remaining cycles		
4.11.6 Final measurements	Visual examination	No visible damage Legible marking
	Capacitance	$ \Delta C/C \le 5$ % of the value measured in 4.11.1
	Tangent of loss angle	Increase of tan δ : ≤ 0.008 for: C ≤ 1 μ F or ≤ 0.005 for: C > 1 μ F Compared to values measured in 4.11.1
	Voltage proof $1290 \text{ V}_{DC}; \text{ pitch} \leq 27.5 \text{ mm} \\ 1320 \text{ V}_{DC}; \text{ pitch} > 27.5 \text{ mm} \\ 1 \text{ min between terminals}$	No permanent breakdown or flash-over
	Insulation resistance	≥ 50 % of values specified in chapters "General data" of this specification



SUB-CLAUSE NUMBER AND TEST	CONDITIONS	PERFORMANCE REQUIREMENTS
SUB-GROUP C2	CONDITIONS	PERFORMANCE REQUIREMENTS
	56 days 40 °C 00 0/ to 05 0/ DU	
4.12 Damp heat steady state	56 days, 40 °C, 90 % to 95 % RH No load	
4.12.1 Initial measurements	Capacitance Tangent of loss angle at 1 kHz	
4.12.3 Final measurements	Visual examination	No visible damage Legible marking
	Capacitance	$ \Delta C/C \le 5$ % of the value measured in 4.12.1.
	Tangent of loss angle	Increase of $\tan \delta$: ≤ 0.008 for: $C \leq 1$ μF or ≤ 0.005 for: $C > 1$ μF Compared to values measured in 4.12.1
	Voltage proof 1290 V_{DC} ; pitch \leq 27.5 mm 1320 V_{DC} ; pitch $>$ 27.5 mm 1 min between terminals	No permanent breakdown or flash-over
	Insulation resistance	≥ 50 % of values specified in section "Insulation resistance" of this specification
SUB-GROUP C3		
4.13.1 Initial measurements	Capacitance Tangent of loss angle: For C ≤ 1 µF at 10 kHz For C > 1 µF at 1 kHz	
4.13 Impulse voltage	3 successive impulses, full wave, peak voltage: X2: 2.5 kV for C \leq 1 μ F X2: 2.5 kV for C $>$ 1 μ F Max. 24 pulses	No self healing breakdowns or flash-over
4.14 Endurance	Duration: 1000 h 1.25 x U_{RAC} at 105 °C Once in every hour the voltage is increased to 1000 V_{RMS} for 0.1 s via resistor of 47 Ω ± 5 %	
4.14.7 Final measurements	Visual examination	No visible damage Legible marking
	Capacitance	$ \Delta C/C \le 10$ % compared to values measured in 4.13.1.
	Tangent of loss angle	Increase of $\tan \delta$: ≤ 0.008 for: $C \leq 1$ μF or ≤ 0.005 for: $C > 1$ μF Compared to values measured in 4.13.1
	Voltage proof $1290 \ V_{DC}; pitch \leq 27.5 \ mm$ $1320 \ V_{DC}; pitch > 27.5 \ mm$ $1 \ min \ between \ terminals$ $2200 \ V_{AC}; 1 \ min \ between \ terminals$ and case	No permanent breakdown or flash-over
	Insulation resistance	≥ 50 % of values specified in chapters "General data" of this specification



GROUP C INSPECTION REQUIREMENTS					
SUB-CLAUSE NUMBER AND TEST	CONDITIONS	PERFORMANCE REQUIREMENTS			
SUB-GROUP C4					
4.15 Charge and discharge	10 000 cycles Charged to 420 V_{DC} Discharge resistance: $R = \frac{420 \ V_{DC}}{1.5 \ x \ C \ (dU/dt)}$				
4.15.1 Initial measurements	Capacitance Tangent of loss angle at 10 kHz				
4.15.3 Final measurements	Capacitance	$ \Delta C/C \le 10$ % compared to values measured in 4.15.1.			
	Tangent of loss angle	Increase of $\tan \delta$: ≤ 0.008 for: $C \leq 1$ μF or ≤ 0.005 for: $C > 1$ μF Compared to values measured in 4.15.1			
	Insulation resistance	≥ 50 % of values specified in section "Insulation resistance" of this specification			
SUB-GROUP C5					
4.16 Radio frequency characteristic	Resonance frequency	≥ 0.9 times value as specified in section "Resonant frequency" of this specification			
SUB-GROUP C6					
4.17 Passive flammability Class B	Bore of gas jet: Ø 0.5 mm Fuel: Butane Test duration for actual volume V in mm³: $V \le 250$: 10 s $250 < V \le 500$: 20 s $500 < V \le 1750$: 30 s V > 1750: 60 s One flame application	After removing test flame from capacitor, the capacitor must not continue to burn for more than 10 s. No burning particle must drop from the sample.			
SUB-GROUP C7					
4.18 Active flammability	20 cycles of 4 kV discharges on the test capacitor connected to U _{RAC} .	The cheese cloth around the capacitors shall not burn with a flame. No electrical measurements are required.			



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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов:
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001:
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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