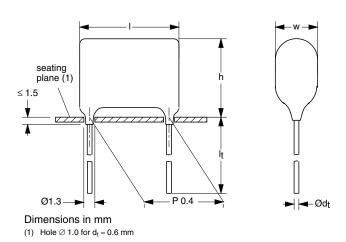


MKT 369

KOHS COMPLIANT

Vishay BCcomponents

Metallized Polyester Film Capacitors MKT Radial Epoxy Lacquered Type



APPLICATIONS

Blocking and coupling. Bypass and energy reservoir

MARKING

C-value; tolerance; rated voltage

DIELECTRIC

Polyester film

ELECTRODES Vacuum deposited aluminium

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 μF

FEATURES

Available taped on reel and loose in box Lead (Pb)-free product RoHS-compliant product

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

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"

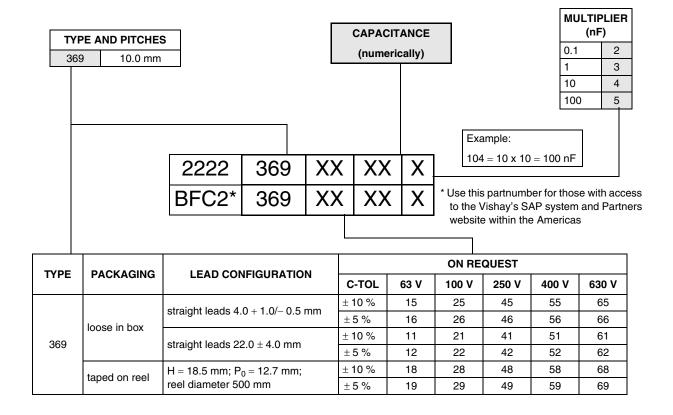


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COMPOSITION OF CATALOG NUMBER



SPECIFIC REFERENCE DATA

DESCRIPTION				VALUE				
Tangent of loss angle:	at 1 kHz			at 10 kHz		at 100 kHz		
$C \le 0.47 \ \mu F$	≤ 75 × 1	0-4		\leq 130 \times 10 ⁻⁴		≤ 3	800 × 10 ⁻⁴	
0.47 μ F < C \leq 1.0 μ F	≤ 75 × 1	0-4		$\leq 130 \times 10^{-4}$		\leq 225 \times 10 ⁻⁴		
$C \ge 0.1 \ \mu F$	≤ 75 × 1	0 ⁻⁴		$\leq 130 \times 10^{-4}$		$\leq 300 imes 10^{-4}$		
Rated voltage pulse slope (dU/dt) _R	at 63 V (DC)	at 100 V (D	DC)	at 250 V (DC)	at 4	00 V (DC)	at 630 V (DC)	
	30 V/µs	28 V/µs		70 V/μs	1	10 V/µs	70 V/μs	
R between leads, for C \leq 0.33 μ F:								
at 10 V; 1 minute	$>$ 15000 M Ω							
at 100 V; 1 minute		> 15000 N	lΩ	$>$ 30000 M Ω	> 3	0000 MΩ		
at 500 V; 1 minute							$>$ 30000 M Ω	
RC between leads, for C > 0.33 μ F:								
at 10 V; 1 minute	> 5000 s							
at 500 V; 1 minute							> 10000 s	
R between interconnecting leads and casing;								
at 10 V; 1 minute	$>$ 30000 M Ω							
at 100 V; 1 minute		> 30000 N	lΩ	$>$ 30000 M Ω	> 3	0000 MΩ		
at 500 V; 1 minute							$>$ 30000 M Ω	
Withstanding (DC) voltage (cut off current 10 mA); rise time 100 V/s	100 V; 1 minute	160 V; 1 mii	nute	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 mii	nute	500 V; 1 minute	800	V; 1 minute	1260 V; 1 minute	



Metallized Polyester Film Capacitors Vishay BCcomponents MKT Radial Epoxy Lacquered Type

 $\textbf{U}_{\textbf{Rdc}} = \textbf{63 V; } \textbf{U}_{\textbf{Rac}} = \textbf{40 V}$

			CATALOG NUMBER 2222 369 AND PACKAGING					
C DIMENSIONS Wmax × hmax × lmax			REEL					
	MASS	$I_t = 4.0 + 1.0/-$	- 0.5 mm	$\textbf{I}_{t}=\textbf{22.0}\pm\textbf{4.0}~\textbf{mm}$				
(µF)	(mm)	(g)	C-tol = ± 10 %					
			last 5 digits of catalog number	SPQ	SPQ	SPQ		
Pitch = 10.0	0 ± 0.4 mm; d _t = 0.60 ± 0.06 k	mm			· · ·			
0.22	$4.2\times9.3\times12.5$	0.4	15224	2000	1000	1300		
0.27	$3.8\times9.0\times12.5$	0.4	15274	2000	1000	1300		
0.33	$4.1\times9.3\times12.5$	0.4	15334	2000	1000	1300		
0.39	$4.0\times9.2\times12.5$	0.4	15394	2000	1000	1300		
0.47	$4.3\times9.5\times12.5$	0.5	15474	2000	1000	1200		
0.56	$4.7\times9.8\times12.5$	0.5	15564	2000	1000	1200		
0.68	5.1 × 10.2 × 12.5	0.5	15684	2000	1000	1100		
0.82	$5.5\times10.7\times12.5$	0.6	15824	2000	1000	1000		
1	$6.0\times11.1\times12.5$	0.7	15105	2000	1000	900		

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

			CATALO	3		
			REEL			
	MASS	$I_t = 4.0 + 1.0/-$	- 0.5 mm	$\textbf{I}_{t}=\textbf{22.0}\pm\textbf{4.0}~\textbf{mm}$		
(µF)	(mm)	(g)	C-tol = ± 10 %			
		last 5 digits of catalog number	SPQ	SPQ	SPQ	
Pitch = 10.0	0 ± 0.4 mm; d _t = 0.60 ± 0.06	mm				
0.056 0.068	4.0 × 9.1 × 12.5	0.4	25563 25683	2000	1000	1500
0.082	3.7 × 8.8 × 12.5	0.4	25823	2000	1000	1500
0.1	4.0 imes 9.0 imes 12.5	0.4	25104	2000	1000	1500
0.12	$4.3\times9.3\times12.5$	0.4	25124	2000	1000	1500
0.15	$3.9\times8.9\times12.5$	0.4	25154	2000	1000	1500
0.18	4.2 × 9.2 × 12.5	0.5	25184	2000	1000	1300
0.22	$4.5 \times 9.4 \times 12.5$	0.5	25224	2000	1000	1200

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

			CATALOG NUMBER 2222 369 AND PACKAGIN			3
			REEL			
	MASS	$I_t = 4.0 + 1.0/-$	0.5 mm	$\textbf{I}_{t}=\textbf{22.0}\pm\textbf{4.0}~\textbf{mm}$		
(µF)	(μF) (mm) (g) C-tol = ± 10 % last 5 digits of catalog number SPQ					
		SPQ	SPQ	SPQ		
Pitch = 10.0	0 ± 0.4 mm; d _t = 0.60 ± 0.06	mm				
0.027	$4.2\times8.7\times12.5$	0.4	45273	2000	1000	1500
0.033	$4.6\times8.8\times12.5$	0.5	45333	2000	1000	1300
0.039	4.0 × 8.8 × 12.5	0.4	45393	2000	1000	1500
0.047	$4.5\times9.0\times12.5$	0.5	45473	2000	1000	1500
0.056	4.6 × 8.8 × 12.5	0.5	45563	2000	1000	1300
0.068	4.6 × 9.2 × 12.5	0.5	45683	2000	1000	1300
0.082	$4.4\times9.4\times12.5$	0.5	45823	2000	1000	1200
0.1	$4.7\times9.7\times12.5$	0.5	45104	2000	1000	1200

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Metallized Polyester Film Capacitors MKT Radial Epoxy Lacquered Type



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

			CATALOG NUMBER 2222 369 AND PACKAGING					
C DIMENSION (μF) w _{max} × h _{max} × (mm)			L	REEL				
		MASS	$I_t = 4.0 + 1.0/-$	0.5 mm	$\textbf{I}_t = \textbf{22.0} \pm \textbf{4.0} \text{ mm}$	SPQ		
		(g)	C-tol = ± 10 %					
			last 5 digits of catalog number	SPQ	SPQ			
Pitch = 10.0	\pm 0.4 mm; d_t = 0.60 \pm 0.06	mm						
0.001	$4.5\times8.7\times12.5$	0.5	55102	2000	1000	1500		
0.0012	$4.5\times9.0\times12.5$	0.5	55122	2000	1000	1500		
0.0015	$4.5\times8.8\times12.5$	0.5	55152	2000	1000	1500		
0.0018	$4.5\times8.7\times12.5$	0.5	55182	2000	1000	1500		
0.0022	$4.0\times8.6\times12.5$	0.5	55222	2000	1000	1500		
0.0027	$4.3\times8.9\times12.5$	0.5	55272	2000	1000	1500		
0.0033	$4.6 \times 9.1 \times 12.5$	0.5	55332	2000	1000	1500		
0.0039	$4.0\times8.7\times12.5$	0.5	55392	2000	1000	1500		
0.0047	$4.1\times8.8\times12.5$	0.5	55472	2000	1000	1500		
0.0056			55562		1000			
0.0068	4.6 × 9.1 × 12.5	0.5	55682	0000		1500		
0.0082	4.6 × 9.1 × 12.5	0.5	55822	2000		1500		
0.01			55103					
0.012	$4.0\times8.7\times12.5$	0.5	55123	2000	1000	1500		
0.015	$4.1\times8.8\times12.5$	0.5	55153	2000	1000	1500		
0.018	$4.4\times8.8\times12.5$	0.5	55183	2000	1000	1300		
0.022	$4.2\times8.8\times12.5$	0.5	55223	2000	1000	1500		
0.027	$4.2\times9.1\times12.5$	0.5	55273	2000	1000	1300		
0.033	$4.6\times9.4\times12.5$	0.5	55333	2000	1000	1300		

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

			CATALOG NUMBER 2222 369 AND PACKAGING					
C (μF) DIMENSIONS w _{max} × h _{max} × I _{max} (mm)			REEL					
	MASS	$I_t = 4.0 + 1.0/-$	- 0.5 mm	$\textbf{I}_t = \textbf{22.0} \pm \textbf{4.0} \text{ mm}$				
	(g)	$C-tol = \pm 10$ %		SPQ				
		last 5 digits of catalog number	SPQ		SPQ			
Pitch = 10.0	$0 \pm$ 0.4 mm; d _t = 0.60 \pm 0.06 r	nm						
0.01	$4.1\times8.7\times12.5$	0.4	65103	2000	1000	1300		
0.012	$4.4\times8.9\times12.5$	0.5	65123	2000	1000	1200		
0.015	$4.9\times9.2\times12.5$	0.5	65153	2000	1000	1100		
0.018	$5.3\times9.5\times12.5$	0.6	65183	2000	1000	1000		
0.022	$5.9 \times 9.9 \times 12.5$	0.7	65223	2000	1000	900		



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