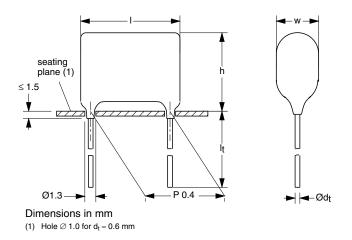
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Metallized Polyester Film Capacitors MKT Radial Epoxy Lacquered Type



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





RoHS

CAPACITANCE TOLERANCE

 \pm 10 %; \pm 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

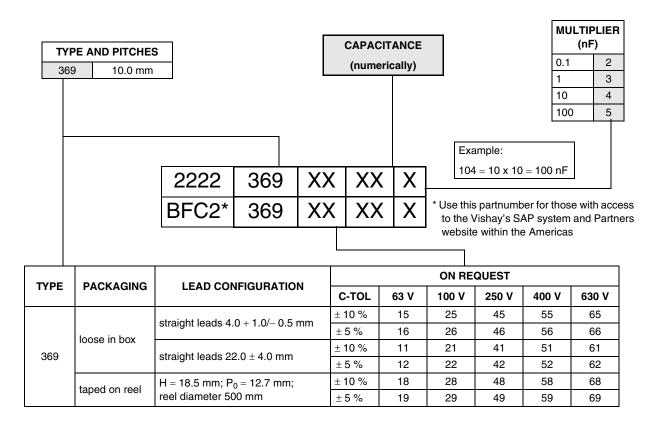
For more detailed data and test requirements see "Type detail specification HQN-384-02/101"

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COMPOSITION OF CATALOG NUMBER



SPECIFIC REFERENCE DATA

DESCRIPTION				VALUE			
Tangent of loss angle:	at 1 kH	z		at 10 kHz		at	100 kHz
C ≤ 0.47 μF	≤ 75 × 10	0-4		≤ 130 × 10 ⁻⁴		≤3	00 × 10 ⁻⁴
0.47 μF < C ≤ 1.0 μF	≤ 75 × 10	0-4		$\leq 130\times 10^{-4}$		$\leq 225 \times 10^{-4}$	
C ≥ 0.1 μF	≤ 75 × 10	0 ⁻⁴		$\leq 130\times 10^{-4}$		≤ 3	00×10^{-4}
Rated voltage pulse slope (dU/dt) _R	at 63 V (DC)	at 100 V (I	DC)	at 250 V (DC)	at 40	00 V (DC)	at 630 V (DC)
	30 V/μs	28 V/μs	3	70 V/μs	11	I0 V/μs	70 V/μs
R between leads, for C \leq 0.33 μ F:							
at 10 V; 1 minute	$>$ 15000 $M\Omega$						
at 100 V; 1 minute		> 15000 N	MΩ	> 30000 MΩ	> 30	Ω M 0000	
at 500 V; 1 minute							$>$ 30000 M Ω
RC between leads, for C > 0.33 μF:							
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 M	Ω N	$>$ 30000 M Ω	> 30	Ω M 0000	
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 mi	inute	400 V; 1 minute	640 \	/; 1 minute	1008 V; 1 minute
Withstanding (DC) voltage between leads and case	200 V; 1 minute	200 V; 1 m	inute	500 V; 1 minute	800 \	/; 1 minute	1260 V; 1 minute



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

			CATALOG NUMBER 2222 369 AND PACKAGING					
DIMENSIONS w _{max} × h _{max} × I _{max}			REEL					
	MASS	$I_t = 4.0 + 1.0/-$	- 0.5 mm	$I_t=22.0\pm4.0\ mm$				
(μ F)	(mm)	(g)	C-tol = ± 10 %					
		last 5 digits of catalog number	SPQ	SPQ	SPQ			
Pitch = 10.0	0 ± 0.4 mm; $d_t = 0.60 \pm 0.06$	mm						
0.22	4.2 × 9.3 × 12.5	0.4	15224	2000	1000	1300		
0.27	$3.8 \times 9.0 \times 12.5$	0.4	15274	2000	1000	1300		
0.33	4.1 × 9.3 × 12.5	0.4	15334	2000	1000	1300		
0.39	4.0 × 9.2 × 12.5	0.4	15394	2000	1000	1300		
0.47	4.3 × 9.5 × 12.5	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 × 10.7 × 12.5	0.6	15824	2000	1000	1000		
1	6.0 × 11.1 × 12.5	0.7	15105	2000	1000	900		

 $\textbf{U}_{\textbf{Rdc}} = \textbf{100 V; } \textbf{U}_{\textbf{Rac}} = \textbf{63 V}$

			CATALOG NUMBER 2222 369 AND PACKAGING					
			1	LOOSE IN BOX		REEL		
C DIMENSIONS	MASS	$I_t = 4.0 + 1.0/-$	0.5 mm	$\textbf{I}_{t} = \textbf{22.0} \pm \textbf{4.0} \; \textbf{mm}$				
(µF)	(μF) $w_{max} \times h_{max} \times I_{max}$ (mm)	(g)	C-tol = ± 10 %					
()		last 5 digits of catalog number	SPQ	SPQ	SPQ			
Pitch = 10.0	Pitch = 10.0 ± 0.4 mm; $d_t = 0.60 \pm 0.06$ 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	$4.0 \times 9.0 \times 12.5$	0.4	25104	2000	1000	1500		
0.12	4.3 × 9.3 × 12.5	0.4	25124	2000	1000	1500		
0.15	$3.9 \times 8.9 \times 12.5$	0.4	25154	2000	1000	1500		
0.18	4.2 × 9.2 × 12.5	0.5	25184	2000	1000	1300		
0.22	4.5 × 9.4 × 12.5	0.5	25224	2000	1000	1200		

 $U_{\mbox{\scriptsize Rdc}}=250\mbox{\ V;\ }U_{\mbox{\scriptsize Rac}}=160\mbox{\ V}$

$\begin{array}{c} \textbf{C} \\ \textbf{(\muF)} \end{array} \qquad \begin{array}{c} \textbf{DIMENSIONS} \\ \textbf{w}_{max} \times \textbf{h}_{max} \times \textbf{I}_{max} \\ \textbf{(mm)} \end{array}$		CATALOG NUMBER 2222 369 AND PACKAGING					
			REEL				
	MASS	$I_t = 4.0 + 1.0/-$	- 0.5 mm	$I_t = 22.0 \pm 4.0 \text{ mm}$	SPQ		
	(g)	C-tol = ± 10 %		SPQ			
		last 5 digits of catalog number	SPQ				
Pitch = 10.0	\pm 0.4 mm; d _t = 0.60 \pm 0.06	mm					
0.027	4.2 × 8.7 × 12.5	0.4	45273	2000	1000	1500	
0.033	4.6 × 8.8 × 12.5	0.5	45333	2000	1000	1300	
0.039	4.0 × 8.8 × 12.5	0.4	45393	2000	1000	1500	
0.047	4.5 × 9.0 × 12.5	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	$4.4\times 9.4\times 12.5$	0.5	45823	2000	1000	1200	
0.1	4.7 × 9.7 × 12.5	0.5	45104	2000	1000	1200	

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

			CATALOG NUMBER 2222 369 AND PACKAGING				
C				REEL			
	$\begin{array}{c} \textbf{DIMENSIONS} \\ \textbf{w}_{\text{max}} \times \textbf{h}_{\text{max}} \times \textbf{I}_{\text{max}} \end{array}$	MASS	$I_t = 4.0 + 1.0/-$	- 0.5 mm	$\textbf{I}_{t} = \textbf{22.0} \pm \textbf{4.0} \; \textbf{mm}$		
(μ F)	(mm)	(g)	C-tol = ± 10 %		SPQ		
			last 5 digits of catalog number	SPQ		SPQ	
Pitch = 10.0	0 ± 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 × 9.0 × 12.5	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 × 8.6 × 12.5	0.5	55222	2000	1000	1500	
0.0027	$4.3\times8.9\times12.5$	0.5	55272	2000	1000	1500	
0.0033	4.6 × 9.1 × 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 × 8.8 × 12.5	0.5	55472	2000	1000	1500	
0.0056			55562				
0.0068	4.6 × 9.1 × 12.5	0.5	55682	2000	1000	1500	
0.0082	4.6 × 9.1 × 12.5	0.5	55822	2000	1000	1500	
0.01			55103				
0.012	$4.0\times8.7\times12.5$	0.5	55123	2000	1000	1500	
0.015	4.1 × 8.8 × 12.5	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 × 9.1 × 12.5	0.5	55273	2000	1000	1300	
0.033	$4.6\times 9.4\times 12.5$	0.5	55333	2000	1000	1300	

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

$\begin{array}{c} \textbf{C} & \textbf{DIMENSIONS} \\ \textbf{(\muF)} & \textbf{w}_{max} \times \textbf{h}_{max} \times \textbf{I}_{max} \\ \textbf{(mm)} \end{array}$		CATALOG NUMBER 2222 369 AND PACKAGING						
			REEL					
	MASS	$I_t = 4.0 + 1.0/-$	0.5 mm	$\textbf{I}_{t} = \textbf{22.0} \pm \textbf{4.0} \; \textbf{mm}$	SPQ			
	(g)	C-tol = ± 10 %		SPQ				
		last 5 digits of catalog number	SPQ					
Pitch = 10.0	0 ± 0.4 mm; $d_t = 0.60 \pm 0.06$	mm						
0.01	4.1 × 8.7 × 12.5	0.4	65103	2000	1000	1300		
0.012	$4.4\times8.9\times12.5$	0.5	65123	2000	1000	1200		
0.015	$4.9\times 9.2\times 12.5$	0.5	65153	2000	1000	1100		
0.018	5.3 × 9.5 × 12.5	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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