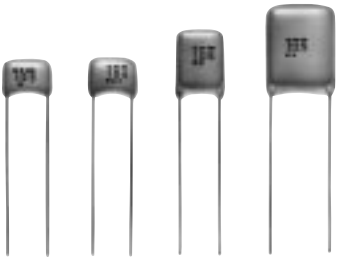


Stacked Metallized Film Capacitor

Type: **ECQV**

Designed for high density insertion applications.



■Features

- High volumetric efficiency
- Excellent electric characteristics in non-inductive construction
- Wide range for automatic insertion

■Recommended Applications

- General purpose
- Noise suppression for logic circuit

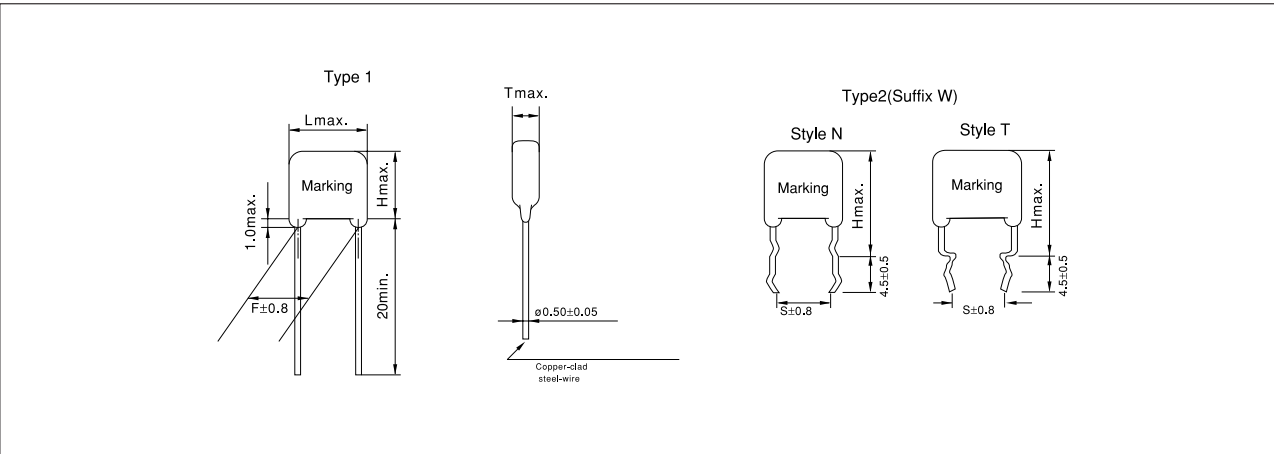
■Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	C	Q	V						J		
Product code	Dielectric & construction		Rated voltage		Capacitance				Cap. Tol.	Suffix	Suffix
50VDC 1H	63VDC 1J	100VDC 1									
					Taping				Crimped lead		
					Ammo		Reel		Type1	Type2	
					Straight	Crimped	Straight	Crimped		style N	style T
					2	3	5	9	Blank	W	

■Specifications

Category temp. range (Including temperature-rise on unit surface)	−40 to +105°C
Rated voltage	50VDC, 63VDC, 100VDC (Derating of rated voltage by 2.5%/°C at more than 85°C)
Capacitance range	0.01 to 2.2 μF
Capacitance tolerance	±5%(J)
Dissipation factor	1.0%max.(20°C 1kHz)
Withstand voltage	Between terminals : Rated volt.(VDC)×150% 60s
Insulation resistance	$C \leq 0.33\mu\text{F}$: 3000MΩ min. (20°C, 50VDC 60s ECQV1H, ECQV1J) $C > 0.33\mu\text{F}$: 1000MΩ · μFmin. (20°C, 100VDC 60s ECQV1)

■Dimensions in mm(not to scale)



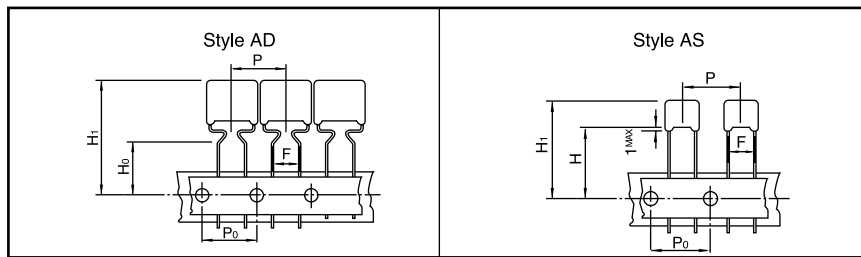
■Packaging Specifications for Bulk Package

Packing quantity:100pcs./bag

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use.
Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.

■Taping Specifications for Automatic Insertion

●Taping style



※Refer to the taping specification.

●Packaging Specifications

Type	Rated volt.	Cap. range (μF)	Taping style						Packing
			AD	AS	B	C	D	E	
ECQV (L)	50VDC	0.01 to 2.2	○						Ammo
		0.01 to 1.0		○					Ammo
		0.01 to 2.2	○						Reel
		0.01 to 1.0		○					Reel
ECQV (M)	63VDC	0.01 to 1.0	○						Ammo
		0.01 to 0.15		○					Ammo
		0.01 to 1.0	○						Reel
		0.01 to 0.15		○					Reel
	100VDC	0.01 to 0.47	○						Ammo
		0.01 to 0.47							Reel
		0.01 to 0.1		○					Ammo
		0.01 to 0.1		○					Reel

●Lead Spacing

Style	Lead Spacing
AD	5.0mm
AS	5.0mm

※See the column "Rating, Dimensions & Quantity Box" for packing quantity.

■Rating, Dimensions & Quantity/Ammo Box or Reel

●Type ECQV(L) Rated voltage : 50VDC

Part No.	Cap. (μF)	Dimensions (mm)							Quantity	
		L _{max.}	T _{max.}	H _{max.}		F	S	ød	Ammo	Reel
				Type-1	Type-2					
ECQV1H103JL()	0.01	7.3	3.2	5.0	9.0	5.0	5.0	0.50	2000	2000
ECQV1H123JL()	0.012	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H153JL()	0.015	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H183JL()	0.018	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H223JL()	0.022	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H273JL()	0.027	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H333JL()	0.033	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H393JL()	0.039	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H473JL()	0.047	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H563JL()	0.056	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H683JL()	0.068	7.3	3.2	5.0	9.0	5.0	5.0	0.50		
ECQV1H823JL()	0.082	7.3	3.6	5.0	9.0	5.0	5.0	0.50		
ECQV1H104JL()	0.1	7.3	4.0	5.0	9.0	5.0	5.0	0.50	1000	1000
ECQV1H124JL()	0.12	7.3	4.0	5.0	9.0	5.0	5.0	0.50		
ECQV1H154JL()	0.15	7.3	4.4	5.5	9.5	5.0	5.0	0.50		
ECQV1H184JL()	0.18	7.3	4.5	5.5	9.5	5.0	5.0	0.50		
ECQV1H224JL()	0.22	7.3	4.8	5.5	9.5	5.0	5.0	0.50		
ECQV1H274JL()	0.27	7.3	4.6	7.0	11.0	5.0	5.0	0.50		
ECQV1H334JL()	0.33	7.3	5.2	7.0	11.0	5.0	5.0	0.50		
ECQV1H394JL()	0.39	7.3	5.7	7.3	11.3	5.0	5.0	0.50		
ECQV1H474JL()	0.47	7.3	6.0	7.3	11.3	5.0	5.0	0.50		
ECQV1H564JL()	0.56	7.3	5.8	10.0	14.0	5.0	5.0	0.50		
ECQV1H684JL()	0.68	7.3	6.5	10.0	14.0	5.0	5.0	0.50		
ECQV1H824JL()	0.82	7.3	6.8	10.0	14.0	5.0	5.0	0.50		
ECQV1H105JL()	1.0	7.3	8.0	11.0	15.0	5.0	5.0	0.50		
ECQV1H125JL()	1.2	10.2	6.5	10.0	14.0	7.5	5.0	0.50		
ECQV1H155JL()	1.5	10.2	7.2	10.0	14.0	7.5	5.0	0.50		
ECQV1H185JL()	1.8	10.2	7.2	12.0	16.5	7.5	5.0	0.50		
ECQV1H225JL()	2.2	10.2	7.9	12.0	16.5	7.5	5.0	0.50		

└─ Suffix for lead crimped or taped type

Style N: 0.01 to 1.0 μF
Style T: 1.2 to 2.2 μF

■ Rating, Dimensions & Quantity/Ammo Box or Reel

● Type ECQV(M) Rated voltage : 63VDC

Part No.	Cap. (μ F)	Dimensions (mm)							Quantity	
		L _{max.}	T _{max.}	H _{max.}		F	S	ϕ d	Ammo	Reel
				Type-1	Type-2					
ECQV1J103JM()	0.01	7.5	3.2	6.8	10.8	5.0	5.0	0.50	2000	2000
ECQV1J123JM()	0.012	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J153JM()	0.015	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J183JM()	0.018	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J223JM()	0.022	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J273JM()	0.027	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J333JM()	0.033	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J393JM()	0.039	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J473JM()	0.047	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J563JM()	0.056	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J683JM()	0.068	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J823JM()	0.082	7.5	3.2	6.8	10.8	5.0	5.0	0.50		
ECQV1J104JM()	0.1	7.5	3.2	7.0	11.0	5.0	5.0	0.50		
ECQV1J124JM()	0.12	7.5	3.8	7.0	11.0	5.0	5.0	0.50		
ECQV1J154JM()	0.15	7.5	4.1	7.0	11.0	5.0	5.0	0.50		
ECQV1J184JM()	0.18	10.2	3.5	9.0	14.0	7.5	5.0	0.50		
ECQV1J224JM()	0.22	10.2	3.5	9.0	14.0	7.5	5.0	0.50		
ECQV1J274JM()	0.27	10.2	3.5	9.0	14.0	7.5	5.0	0.50		
ECQV1J334JM()	0.33	10.2	3.8	9.0	14.0	7.5	5.0	0.50		
ECQV1J394JM()	0.39	10.2	4.0	9.0	14.0	7.5	5.0	0.50		
ECQV1J474JM()	0.47	10.2	4.5	9.0	14.0	7.5	5.0	0.50	1000	1000
ECQV1J564JM()	0.56	10.2	4.9	9.0	14.0	7.5	5.0	0.50		
ECQV1J684JM()	0.68	10.2	5.5	10.0	15.0	7.5	5.0	0.50		
ECQV1J824JM()	0.82	10.2	6.1	10.0	15.0	7.5	5.0	0.50		
ECQV1J105JM()	1.0	10.2	6.9	10.0	15.0	7.5	5.0	0.50		

Style N: 0.01 to 0.15 μ FStyle T: 0.18 to 1.0 μ F

● Type ECQV(M) Rated voltage : 100VDC

Part No.	Cap. (μ F)	Dimensions (mm)							Quantity	
		L _{max.}	T _{max.}	H _{max.}		F	S	ϕ d	Ammo	Reel
				Type-1	Type-2					
ECQV1103JM()	0.01	7.5	3.2	7.0	12.0	5.0	5.0	0.50	2000	2000
ECQV1123JM()	0.012	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1153JM()	0.015	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1183JM()	0.018	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1223JM()	0.022	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1273JM()	0.027	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1333JM()	0.033	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1393JM()	0.039	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1473JM()	0.047	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1563JM()	0.056	7.5	3.2	7.0	12.0	5.0	5.0	0.50		
ECQV1683JM()	0.068	7.5	4.0	7.0	12.0	5.0	5.0	0.50	1000	1000
ECQV1823JM()	0.082	7.5	4.1	7.0	12.0	5.0	5.0	0.50		
ECQV1104JM()	0.1	7.5	4.5	7.0	12.0	5.0	5.0	0.50	2000	2000
ECQV1124JM()	0.12	10.2	3.3	9.0	14.0	7.5	5.0	0.50		
ECQV1154JM()	0.15	10.2	3.3	9.0	14.0	7.5	5.0	0.50		
ECQV1184JM()	0.18	10.2	3.6	9.0	14.0	7.5	5.0	0.50		
ECQV1224JM()	0.22	10.2	4.0	9.0	14.0	7.5	5.0	0.50	1000	1000
ECQV1274JM()	0.27	10.2	4.2	9.0	14.0	7.5	5.0	0.50		
ECQV1334JM()	0.33	10.2	4.8	10.0	15.0	7.5	5.0	0.50		
ECQV1394JM()	0.39	10.2	5.5	10.0	15.0	7.5	5.0	0.50		
ECQV1474JM()	0.47	10.2	6.8	10.5	15.5	7.5	5.0	0.50		


 Suffix for lead crimped or taped type

Style N: 0.01 to 0.1 μ FStyle T: 0.12 to 0.47 μ F