


Type: **ECQV**

- High volumetric efficiency
- High reliability
- Wide range for automatic insertion

- General purpose usage
- Noise suppression for logic circuit

1	2	3	4	5	6	7	8	9	10	11	12
E	C	Q	V						J		

Suffix

Taping				Crimped lead	
Ammo		Reel		Type1	Type2
Straight	Crimped	Straight	Crimped		style N style T
2	3	5	9	Blank	W

Operating temp.range	-40 to +85°C
Rated voltage	50VDC, 63VDC, 100VDC
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	$C \leq 0.33\mu F : 3000M\Omega \cdot \mu F \cdot min.$ $C > 0.33\mu F : 1000M\Omega \cdot \mu F \cdot min.$

Figure 1 illustrates marking examples for different types of components. The examples are categorized into Type 1, Type 2 (Suffix W), and a Marking example table.

Type 1 shows a marking on a component with dimensions: Lmax., Hmax., 1.0max., 20min., and F±0.8.

Type 2 (Suffix W) shows two styles, Style N and Style T, with dimensions: Lmax., Hmax., 4.5±0.5, and S±0.8.

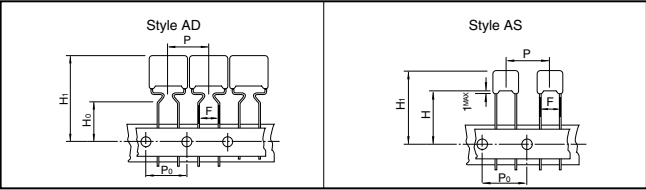
The **Marking example** table shows three rows:

- ECOV1H(L) with a date code.
- ECOV1J(M) with a date code.
- ECOV1(M) with a date code.

Packing quantity: 100pcs./bag

■Taping Specifications for Automatic Insertion

●Taping style



●Packaging Specifications

Type	Rated volt.	Cap. range (μF)	Taping style							Packing	Type
			AD	AS	B	C	D	E			
ECQV (L)	50VDC	0.01 to 2.2	○							Ammo	No.3
		0.01 to 1.0		○						Ammo	No.3
		0.01 to 0.68	○							Reel	No.41
		0.82 to 2.2	○							Reel	No.43
		0.01 to 0.68		○						Reel	No.41
		0.82 to 1.0		○						Reel	No.43
ECQV (M)	63VDC	0.01 to 1.0	○							Ammo	No.3
		0.01 to 0.68	○							Reel	No.41
		0.82 to 1.0	○							Reel	No.43
		0.01 to 0.15		○						Reel	No.41
	100VDC	0.01 to 0.47	○							Ammo	No.3
		0.01 to 0.47	○							Reel	No.41
		0.01 to 0.1		○						Ammo	No.3
		0.01 to 0.1		○						Reel	No.41

●Lead Spacing

Style	Lead Spacing
AD	5.0mm
AS	5.0mm

* See the columnm
“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	Type-1	Type-2				
ECQV1H103JL()	0.01	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50	2000	2000
ECQV1H123JL()	0.012	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H153JL()	0.015	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H183JL()	0.018	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H223JL()	0.022	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H273JL()	0.027	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H333JL()	0.033	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H393JL()	0.039	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H473JL()	0.047	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H563JL()	0.056	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H683JL()	0.068	7.3	3.2	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H823JL()	0.082	7.3	3.6	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H104JL()	0.1	7.3	4.0	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H124JL()	0.12	7.3	4.0	5.0	9.0	5.0	5.0	5.0	0.50		
ECQV1H154JL()	0.15	7.3	4.4	5.5	9.5	5.0	5.0	5.0	0.50		
ECQV1H184JL()	0.18	7.3	4.5	5.5	9.5	5.0	5.0	5.0	0.50	1000	1000
ECQV1H224JL()	0.22	7.3	4.8	5.5	9.5	5.0	5.0	5.0	0.50		
ECQV1H274JL()	0.27	7.3	4.6	7.0	11.0	5.0	5.0	5.0	0.50		
ECQV1H334JL()	0.33	7.3	5.2	7.0	11.0	5.0	5.0	5.0	0.50		
ECQV1H394JL()	0.39	7.3	5.7	7.3	11.3	5.0	5.0	5.0	0.50		
ECQV1H474JL()	0.47	7.3	6.0	7.3	11.3	5.0	5.0	5.0	0.50		
ECQV1H564JL()	0.56	7.3	5.8	10.0	14.0	5.0	5.0	5.0	0.50		
ECQV1H684JL()	0.68	7.3	6.5	10.0	14.0	5.0	5.0	5.0	0.50		
ECQV1H824JL()	0.82	7.3	6.8	10.0	14.0	5.0	5.0	5.0	0.50		
ECQV1H105JL()	1.0	7.3	8.0	11.0	15.0	5.0	5.0	5.0	0.50		
ECQV1H125JL()	1.2	10.2	6.5	10.0	14.0	7.5	5.0	5.0	0.50		
ECQV1H155JL()	1.5	10.2	7.2	10.0	14.0	7.5	5.0	5.0	0.50		
ECQV1H185JL()	1.8	10.2	7.2	12.0	16.5	7.5	5.0	5.0	0.50		
ECQV1H225JL()	2.2	10.2	7.9	12.0	16.5	7.5	5.0	5.0	0.50		

└ Suffix for lead crimped or taped type

■Rating, Dimensions & Quantity/Ammo Box or Reel

●Type ECQV(M) Rated voltage : 63VDC

Part No.	Cap. (μF)	Dimensions (mm)							Quantity	
		L _{max.}	T _{max.}	H _{max.}		F	S	ød	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		

●Type ECQV(M) Rated voltage : 100VDC

Part No.	Cap. (μF)	Dimensions (mm)							Quantity	
		L _{max.}	T _{max.}	H _{max.}		F	S	ød	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		
ECQV1823JM()	0.082	7.5	4.1	7.0	12.0	5.0	5.0	0.50	1000	1000
ECQV1104JM()	0.1	7.5	4.5	7.0	12.0	5.0	5.0	0.50		
ECQV1124JM()	0.12	10.2	3.3	9.0	14.0	7.5	5.0	0.50	2000	2000
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		
ECQV1274JM()	0.27	10.2	4.2	9.0	14.0	7.5	5.0	0.50	1000	1000
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