

Polyester Film Capacitor

Type: **ECQB**

Designed for application where high density insertion of components is required.



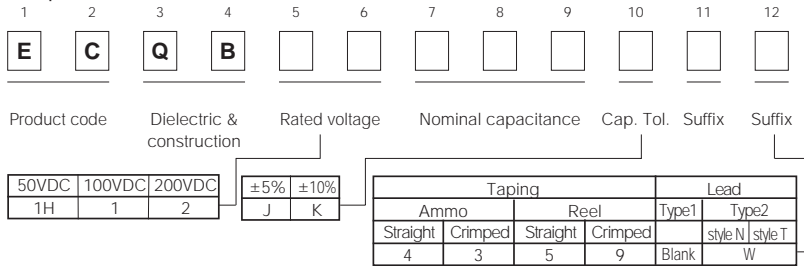
■ Features

- High volumetric efficiency
- Non-inductive construction

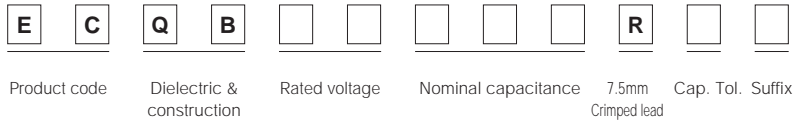
■ Recommended Applications

- General purpose usage

■ Explanation of Part Numbers



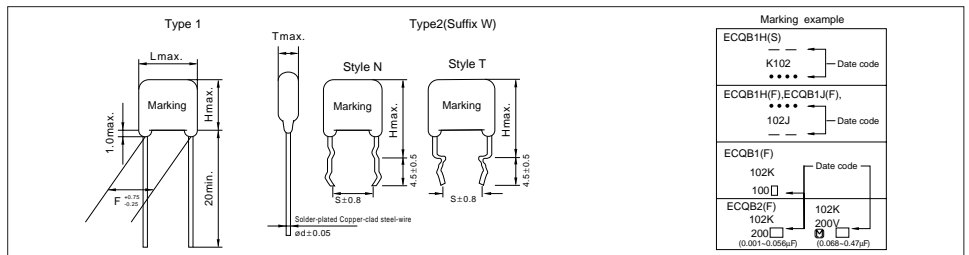
● Explanation of Part Number for Odd Size Taping



■ Specifications

Reference standard	JIS C 5113
Operating temp.range	-40 to +85°C
Rated voltage	50VDC, 63VDC, 100VDC, 200VDC
Capacitance range	0.0001 to 0.47μF
Capacitance tolerance	±5%(J), ±10%(K) (0.0001 to 0.00039 μF/50V, 63VDC : ±10%only)
Dissipation factor	0.8%max.(20°C, 1kHz) (ECQB1H(S), ECQB(F)100VDC : 1.0%max.)
Withstand voltage	Between terminals : Rated voltage(VDC) × 250%1 to 5s
Insulation resistance	C ≤ 0.33μF : 30000 MΩ min. (20°C, 50 VDC 60s : ECQB1H(F), ECQB1J(F)) C > 0.33μF : 10000 MΩ · μF min. (20°C, 100VDC 60s : ECQB1H(S), ECQB1(F), ECQB2(F))

■ Dimensions in mm(not to scale)

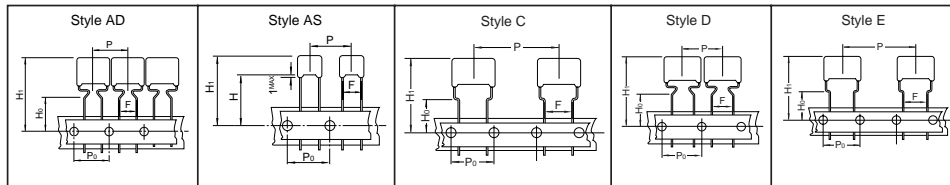


■ Packaging Specifications for Bulk Package

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			
ECQB (S)	50VDC	0.00047 to 0.01	○	○						Ammo	No.2
		0.0001 to 0.01	○	○						Ammo	No.2
ECQB (F)	50VDC	0.012 to 0.039	○	○						Ammo	No.3
		0.047 to 0.15	○							Ammo	No.2
		0.18 to 0.22	○							Ammo	No.1
		0.047 to 0.1		○						Ammo	No.2
		0.0001 to 0.22		○						Reel	No.45
	63VDC	0.0001 to 0.1		○						Reel	No.45
		0.0001 to 0.01	○	○						Ammo	No.2
		0.012 to 0.033	○	○						Ammo	No.3
		0.0001 to 0.033	○	○						Reel	No.45
		0.0001 to 0.01	○	○						Ammo	No.2
100 VDC	0.012 to 0.015	○	○						Ammo	No.3	
	0.018 to 0.027	○	○						Ammo	No.2	
	0.033 to 0.1	○							Ammo	No.1	
	0.033 to 0.047		○						Ammo	No.1	
	0.0001 to 0.1		○						Reel	No.45	
	0.0001 to 0.047		○						Reel	No.45	
	0.1 to 0.47					○			Ammo	No.5	
	0.001 to 0.022		○						Ammo	No.2	
	0.027 to 0.033		○						Ammo	No.1	
	0.0033 to 0.033						○		Ammo	No.2	
200 VDC	0.039 to 0.056						○		Ammo	No.5	
	0.068 to 0.33							○	Ammo	No.5	
	0.39 to 0.47							○	Ammo	No.6	
	0.039 to 0.1							○	Ammo	No.5	
	0.12 to 0.22							○	Ammo	No.6	

● Lead Spacing

Style	Lead Spacing
AD	5.0mm
AS	5.0mm
C	5.0mm
D	7.5mm
E	7.5mm

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

■ Rating, Dimensions & Quantity Box

● Type ECQB(S), Rated voltage:50VDC, Capacitance tolerance: ±5%(J), ±10%(K)

Part No.	Cap. (μF)	Dimensions (mm)							ød	Qty.
		L _{max}	T _{max}	H _{max}		F±0.75	S±0.8			
				Type-1	Type-2					
ECQB1H471 □S()	0.00047	7.3	3.0	5.0	10.0	5.00	5.0	0.50	2000	
ECQB1H561 □S()	0.00056	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H681 □S()	0.00068	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H821 □S()	0.00082	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H102 □S()	0.001	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H122 □S()	0.0012	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H152 □S()	0.0015	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H182 □S()	0.0018	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H222 □S()	0.0022	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H272 □S()	0.0027	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H332 □S()	0.0033	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H392 □S()	0.0039	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H472 □S()	0.0047	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H562 □S()	0.0056	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H682 □S()	0.0068	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H822 □S()	0.0082	7.3	3.0	5.0	10.0	5.00	5.0	0.50		
ECQB1H103 □S()	0.01	7.3	3.0	5.0	10.0	5.00	5.0	0.50		

— Suffix for lead crimped or taped type
 — Cap. tol. code

■ Rating, Dimensions & Quantity/Ammo Box & Reel

● Type ECQB(F), Rated voltage:50VDC, Capacitance tolerance: ±5%(J),±10%(K)

Only ±10 (K)is available from 0.0001 to 0.00039μF

Part No.	Cap. (μF)	Dimensions (mm)							Qty	
		L _{max}	T _{max}	H _{max}		F	S	ød	Ammo	Reel
				Type-1	Type-2					
ECQB1H101KF()	0.0001	7.0	3.0	6.0	11.0	5.00	5.0	0.50	2000	2000
ECQB1H121KF()	0.00012	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H151KF()	0.00015	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H181KF()	0.00018	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H221KF()	0.00022	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H271KF()	0.00027	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H331KF()	0.00033	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H391KF()	0.00039	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H471 □F()	0.00047	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H561 □F()	0.00056	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H681 □F()	0.00068	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H821 □F()	0.00082	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H102 □F()	0.001	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H122 □F()	0.0012	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H152 □F()	0.0015	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H182 □F()	0.0018	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H222 □F()	0.0022	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H272 □F()	0.0027	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H332 □F()	0.0033	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H392 □F()	0.0039	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H472 □F()	0.0047	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H562 □F()	0.0056	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H682 □F()	0.0068	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H822 □F()	0.0082	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H103 □F()	0.01	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H123 □F()	0.012	7.3	3.3	6.3	11.3	5.00	5.0	0.50		
ECQB1H153 □F()	0.015	7.5	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H183 □F()	0.018	7.5	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H223 □F()	0.022	7.5	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1H273 □F()	0.027	7.5	3.5	6.5	11.5	5.00	5.0	0.50		
ECQB1H333 □F()	0.033	7.5	3.5	6.5	11.5	5.00	5.0	0.50		
ECQB1H393 □F()	0.039	7.5	4.0	7.0	12.0	5.00	5.0	0.50		
ECQB1H473 □F()	0.047	7.5	4.0	7.0	12.0	5.00	5.0	0.50		
ECQB1H563 □F()	0.056	8.0	4.3	7.5	12.5	5.00	5.0	0.50		
ECQB1H683 □F()	0.068	8.0	4.3	8.5	13.5	5.00	5.0	0.50		
ECQB1H823 □F()	0.082	8.0	4.5	8.5	13.5	5.00	5.0	0.50		
ECQB1H104 □F()	0.1	8.0	5.0	10.0	15.0	5.00	5.0	0.50		
ECQB1H124 □F()	0.12	11.0	5.0	9.5	14.5	7.50	5.0	0.60		
ECQB1H154 □F()	0.15	11.0	5.0	10.0	15.0	7.50	5.0	0.60		
ECQB1H184 □F()	0.18	11.0	5.5	10.5	15.5	7.50	5.0	0.60		
ECQB1H224 □F()	0.22	11.0	6.0	11.5	16.5	7.50	5.0	0.60		
ECQB1H274 □F()	0.27	13.0	6.0	12.0	17.0	10.00	5.0	0.60		
ECQB1H334 □F()	0.33	13.0	6.5	13.0	18.0	10.00	5.0	0.60		
ECQB1H394 □F()	0.39	13.0	7.0	14.0	19.0	10.00	5.0	0.60		
ECQB1H474 □F()	0.47	13.0	7.5	14.5	19.5	10.00	5.0	0.60		

— Suffix for lead crimped or taped type

— Cap. tol. code

■ Rating, Dimensions & Quantity/Ammo Box & Reel

● Type ECQB(F), Rated voltage:63VDC, Capacitance tolerance: ±5%(J),±10%(K)

Only ±10%(K)is available from 0.0001 to 0.00039μF

Part No.	Cap. (μF)	Dimensions (mm)							Qty	
		L ^{max.}	T ^{max.}	H ^{max.}		F	S	ød	Ammo	Reel
				Type-1	Type-2					
ECQB1J101KF()	0.0001	6.5	3.0	5.5	11.0	5.00	5.0	0.50	2000	2000
ECQB1J121KF()	0.00012	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J151KF()	0.00015	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J181KF()	0.00018	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J221KF()	0.00022	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J271KF()	0.00027	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J331KF()	0.00033	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J391KF()	0.00039	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J471 □F()	0.00047	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J561 □F()	0.00056	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J681 □F()	0.00068	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J821 □F()	0.00082	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J102 □F()	0.001	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J122 □F()	0.0012	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J152 □F()	0.0015	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J182 □F()	0.0018	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J222 □F()	0.0022	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J272 □F()	0.0027	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J332 □F()	0.0033	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J392 □F()	0.0039	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J472 □F()	0.0047	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J562 □F()	0.0056	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J682 □F()	0.0068	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J822 □F()	0.0082	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J103 □F()	0.01	6.5	3.0	5.5	11.0	5.00	5.0	0.50		
ECQB1J123 □F()	0.012	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1J153 □F()	0.015	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1J183 □F()	0.018	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1J223 □F()	0.022	7.0	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1J273 □F()	0.027	7.0	3.5	6.5	11.5	5.00	5.0	0.50		
ECQB1J333 □F()	0.033	7.5	3.5	6.5	11.5	5.00	5.0	0.50		

└─ L Suffix for lead crimped or taped type
 └─ Cap. tol. code

■ Rating, Dimensions & Quantity/Ammo Box & Reel

● Type ECQB(F), Rated voltage:100VDC, Capacitance tolerance: ±5%(J),±10%(K)

Only ±10%(K)is available from 0.0001 to 0.00039μF

Part No.	Cap. (μF)	Dimensions (mm)							Qty	
		L _{max.}	T _{max.}	H _{max.}		F	S	ød	Ammo	Reel
				Type-1	Type-2					
ECQB1101KF()	0.0001	7.2	3.0	6.0	11.0	5.00	5.0	0.50	2000	2000
ECQB1121KF()	0.00012	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1151KF()	0.00015	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1181KF()	0.00018	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1221KF()	0.00022	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1271KF()	0.00027	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1331KF()	0.00033	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1391KF()	0.00039	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1471□F()	0.00047	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1561□F()	0.00056	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1681□F()	0.00068	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1821□F()	0.00082	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1102□F()	0.001	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1122□F()	0.0012	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1152□F()	0.0015	7.2	3.0	6.0	11.0	5.00	5.0	0.50		
ECQB1182□F()	0.0018	7.2	3.0	6.5	11.5	5.00	5.0	0.50		
ECQB1222□F()	0.0022	7.2	3.0	6.5	11.5	5.00	5.0	0.50		
ECQB1272□F()	0.0027	7.2	3.0	6.5	11.5	5.00	5.0	0.50		
ECQB1332□F()	0.0033	7.2	3.0	6.5	11.5	5.00	5.0	0.50		
ECQB1392□F()	0.0039	7.2	3.0	6.5	11.5	5.00	5.0	0.50		
ECQB1472□F()	0.0047	7.2	3.0	6.5	11.5	5.00	5.0	0.50		
ECQB1562□F()	0.0056	7.2	3.0	6.5	11.5	5.00	5.0	0.50		
ECQB1682□F()	0.0068	7.2	3.0	6.5	11.5	5.00	5.0	0.50		
ECQB1822□F()	0.0082	7.2	3.2	7.0	12.0	5.00	5.0	0.50		
ECQB1103□F()	0.01	7.2	3.2	7.0	12.0	5.00	5.0	0.50		
ECQB1123□F()	0.012	7.2	3.5	7.0	12.0	5.00	5.0	0.50		
ECQB1153□F()	0.015	7.2	4.0	7.5	12.5	5.00	5.0	0.50		
ECQB1183□F()	0.018	7.5	4.5	8.0	13.0	5.00	5.0	0.50		
ECQB1223□F()	0.022	7.5	4.5	9.0	14.0	5.00	5.0	0.50		
ECQB1273□F()	0.027	7.5	5.0	9.5	14.5	5.00	5.0	0.50		
ECQB1333□F()	0.033	7.5	5.5	10.0	15.0	5.00	5.0	0.50		
ECQB1393□F()	0.039	7.5	6.0	10.5	15.5	5.00	5.0	0.50		
ECQB1473□F()	0.047	7.5	6.5	11.5	16.5	5.00	5.0	0.50		
ECQB1563□F()	0.056	10.0	5.0	9.5	14.5	7.50	5.0	0.60		
ECQB1683□F()	0.068	10.0	5.5	1.05	15.5	7.50	5.0	0.60		
ECQB1823□F()	0.082	10.0	5.5	12.0	17.0	7.50	5.0	0.60		
ECQB1104□F()	0.1	10.5	6.0	12.5	17.5	7.50	5.0	0.60		
ECQB1124□F()	0.12	10.5	7.0	13.5	18.5	7.50	5.0	0.60		
ECQB1154□F()	0.15	13.0	7.0	12.0	17.0	10.00	5.0	0.60		
ECQB1184□F()	0.18	13.0	7.5	12.5	17.5	10.00	5.0	0.60		
ECQB1224□F()	0.22	13.0	8.0	13.0	18.0	10.00	5.0	0.60		
ECQB1274□F()	0.27	13.0	8.5	15.0	20.0	10.00	5.0	0.60		
ECQB1334□F()	0.33	13.0	9.0	16.0	21.0	10.00	5.0	0.60		
ECQB1394□F()	0.39	13.0	10.5	17.0	22.0	10.00	5.0	0.60		
ECQB1474□F()	0.47	13.0	11.5	17.5	22.5	10.00	5.0	0.60		

└─┬─ Suffix for lead crimped or taped type
 └─┬─ Cap. tol. code

■ Rating, Dimensions & Quantity/Ammo Box & Reel

● Type ECQB(F), Rated voltage:200VDC, Capacitance tolerance:±5%(J),±10%(K)

Part No.	Cap. (μ F)	Dimensions (mm)							Qty Ammo
		L _{max.}	T _{max.}	H _{max.}		F	S	ϕ d	
				Type-1	Type-2	Type-1	Type-2		
ECQB2102□F()	0.001	8.5	4.0	7.0	12.0	5.00	5.0	0.50	1000
ECQB2122□F()	0.0012	8.5	4.0	7.5	12.5	5.00	5.0	0.50	
ECQB2152□F()	0.0015	8.5	4.0	7.5	12.5	5.00	5.0	0.50	
ECQB2182□F()	0.0018	8.5	4.5	7.5	12.5	5.00	5.0	0.50	
ECQB2222□F()	0.0022	8.5	4.5	7.5	12.5	5.00	5.0	0.50	
ECQB2272□F()	0.0027	8.5	4.5	8.0	13.0	5.00	5.0	0.50	
ECQB2332□F()	0.0033	11.0	4.5	7.5	12.5	7.50	5.0	0.60	
ECQB2392□F()	0.0039	11.0	4.5	7.5	12.5	7.50	5.0	0.60	
ECQB2472□F()	0.0047	11.0	4.5	8.5	13.5	7.50	5.0	0.60	
ECQB2562□F()	0.0056	11.0	4.5	8.5	13.5	7.50	5.0	0.60	
ECQB2682□F()	0.0068	11.0	4.5	9.0	14.0	7.50	5.0	0.60	
ECQB2822□F()	0.0082	11.0	4.5	9.0	14.0	7.50	5.0	0.60	
ECQB2103□F()	0.01	11.0	4.5	10.0	15.0	7.50	5.0	0.60	
ECQB2123□F()	0.012	11.0	5.0	10.5	15.5	7.50	5.0	0.60	
ECQB2153□F()	0.015	11.0	5.5	10.5	15.5	7.50	5.0	0.60	
ECQB2183□F()	0.018	11.0	5.5	10.0	15.0	7.50	5.0	0.60	
ECQB2223□F()	0.022	11.0	6.0	10.5	15.5	7.50	5.0	0.60	
ECQB2273□F()	0.027	11.0	6.5	11.5	16.5	7.50	5.0	0.60	
ECQB2333□F()	0.033	11.0	7.0	12.0	17.0	7.50	5.0	0.60	
ECQB2393□F()	0.039	13.5	5.0	12.5	17.5	10.00	7.5	0.60	
ECQB2473□F()	0.047	13.5	5.5	13.0	18.0	10.00	7.5	0.60	
ECQB2563□F()	0.056	13.5	6.0	13.5	18.5	10.00	7.5	0.60	
ECQB2683□F()	0.068	16.0	5.5	13.0	18.0	12.50	10.0	0.60	
ECQB2823□F()	0.082	16.0	6.0	13.5	18.5	12.50	10.0	0.60	
ECQB2104□F()	0.1	16.0	7.0	14.5	19.5	12.50	10.0	0.60	
ECQB2124□F()	0.12	19.0	6.5	16.0	21.0	15.00	12.5	0.60	
ECQB2154□F()	0.15	19.0	7.5	17.0	22.0	15.00	12.5	0.60	
ECQB2184□F()	0.18	19.0	8.0	17.5	22.5	15.00	12.5	0.60	
ECQB2224□F()	0.22	19.0	9.0	18.5	23.5	15.00	12.5	0.60	
ECQB2274□F()	0.27	24.0	8.0	17.5	22.5	20.00	15.0	0.80	
ECQB2334□F()	0.33	24.0	9.0	18.5	23.5	20.00	15.0	0.80	
ECQB2394□F()	0.39	24.0	10.0	19.5	24.5	20.00	15.0	0.80	
ECQB2474□F()	0.47	24.0	11.5	20.5	25.5	20.00	15.0	0.80	

└─ Suffix for lead crimped or taped type
└─ Cap. tol. code