

# Polyester, Suppressor, Mica & Snap-In Capacitors

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## Panasonic® Polyester Capacitors

For more Panasonic Capacitors visit [www.Jameco.com](http://www.Jameco.com)

- Operating temperature range: -40°C to 85°C



### ECQB(F) Series

- Capacitance tolerance: 5%
  - Construction: polyester film, non-inductive epoxy coating
  - High volumetric efficiency, low loss, high stability
- \* Minimum order 5 pieces

Part No.	Product No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing		
					1	5	50
860203	ECQ-B1H104JF4R	.1	50	8 x 5 x 10 x 5	*	Call	Call
860238	ECQ-B1H334JF4R	.33	50	13 x 6.5 x 15 x 10	*	.84	.76

\* Please call or visit our website for minimum order quantity and pricing.

### ECQP(U) Series

- Capacitance tolerance: 5%
- Flame retardant epoxy resin coating
- Non-inductive construction
- Dissipation factor: 0.1% max. @ 1kHz

860502	ECQ-P6102JU4R	.001	630	14.5 x 15.5 x 5 x 10	*	\$.272	\$.228
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### ECQP(Z) Series

- Capacitance tolerance: 2%
- High insulation resistance
- Non-inductive construction
- Close capacitance tolerance
- Low dissipation factor: 1% max. @ 1kHz
- Epoxy resin coating

860414	ECQ-P1H152GZ4R	.0015	50	8.5 x 7.5 x 4.5 x 5	*	\$.378	\$.319
860431	ECQ-P1H182GZ4R	.0018	50	8.5 x 7.5 x 4.5 x 5	*	.378	.319
860465	ECQ-P1H272GZ4R	.0027	50	8.5 x 7.5 x 4.5 x 5	*	.378	.319

### ECQE(B) Series Miniaturized Metallized

- Capacitance tolerance: ±10% @ 1kHz
- Wound metallized polyester dielectric
- Non-inductive construction
- Down sized version of ECQE(F) version

860326	ECQ-E2225KB4R	2.2	250	20.8 x 15.6 x 8.4 x 17.5	*	\$.95	\$.81	\$.61
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### ECQE(F) Series Miniaturized Metallized

- Capacitance tolerance: ±10%
- Dissipation factor: 1% max.

860385/860262:

- Self-healing property
- Flame retardant epoxy resin coating

860351	ECQ-E6473KZ4R	.047	630	17 x 13.5 x 7 x 1	\$.56	\$.49	\$.38
860297	ECQ-E2104KS4R	.10	250	12.5 x 10.5 x 5.5 x 1	*	.213	.169
860262	ECQ-E1275KF4R	2.7	100	18.5 x 15.8 x 8 x 15	1.67	1.31	.98

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## Radial Metallized Polyester RC Network for Transient Suppression Capacitors

### Type Q/QRL (Quencharc®) Arc Suppressor/ Snubber Network

- Noise and arc suppression
- Type QRL – UL/CSA version
- Voltage range: 200VDC/125VAC
- Size: 27.4L x 9.4Th. x 16.3H mm
- Noise reduction on controllers and drives
- Relay contact protection
- Lead spacing: 20.8mm
- EMI/RFI reduction
- Resistor tolerance: ±10%
- Capacitance tolerance: ±20%

Part No.	Product No.	Value (µF)	Resistor Value	Pricing			
				1	10	100	500
527881	105M02QB47	1.0	1/2W; 100Ω	\$5.19	\$5.09	\$4.86	\$4.62

\* Blue Part No. = Limited Quantity Available

## Panasonic® Interference Suppressor Capacitors (X-Y Series Metallized Film)

- Capacitance tolerance: ±20%
- Dissipation factor: less than 1% @ 1kHz

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### ECQU(N) Series – Class X2

- Operating temperature range: -40°C to 85°C

Part No.	Product No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing		
					1	10	100
860650	ECQ-U2A473MN4R	.047	250	25.5 x 14 x 7.0 x 21.5	\$1.15	\$.99	\$.82

### ECQU(G) [Class X1] and ECQU(L) [Class X2, Class Y2/X2] Series

- Operating temperature range: -40°C to 100°C
- \* Minimum order 10 pieces

860625	ECQ-U2A473ML4R	.047	250/275	15 x 13 x 6 x 12.5	*	\$.166	\$.131
860537	ECQ-U2A104MG4R	.1	250/275	15 x 16.5 x 8 x 12.5	1.04	.90	.71

\* This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

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## Standard Dipped Mica Capacitors

### Type CD15/CD19/CDV19

- High temperature up to 150°C
- Dimensions meet EIA RS153B specifications
- 100,000V/µs dV/dt pulse capability minimum
- Dielectric strength: 200% of rated voltage
- Tolerance: ±1/2pF (D); ±pF (C); ±1.2% (E); ±1% (F); ±2% (G); ±5% (J)



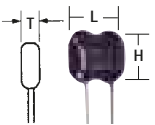
Part No.	Product No.	Value (pF)	Volt VDC	Size (mm) LxHxTh.	Spacing (mm)	Pricing			
						1	10	100	1000
530466	CD15ED200D03	20	500	11.4x9.1x4.3	5.9	\$.84	\$.76	\$.69	\$.62
530511	CD15ED270J03	27	500	11.4x9.1x4.3	5.9	.72	.66	.59	.55
530669	CD15ED820J03	82	500	11.4x9.1x4.6	5.9	.55	.54	.53	.52
531039	CD19FD102J03	1000	500	16.5x13.2x5.6	8.7	1.19	1.18	1.16	1.15
531194	CD19FD392J03	3900	500	17.5x14.2x7.9	8.7	3.59	3.51	3.47	3.43
531776	CDV19FF391J03	390	1000	16.5x13x5.1	8.7	1.29	1.21	1.18	1.14

\* Blue Part No. = Limited Quantity Available

## Dipped Silver Mica Capacitors (±5%)

### Metallized Polyester Film Capacitors

- Case type: DM15
- Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55° to +125°C



Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H*	Pricing			
					1	10	100	1000
16037	DM220	22pF	500	11 x 4 x 9	\$.52	\$.43	\$.343	\$.28
16096	DM470	47pF	500	11 x 4 x 9	.46	.414	.331	.248
16002	DM101	100pF	500	11 x 4 x 9	.45	.36	.30	.25
16088	DM331	330pF	500	11 x 4 x 9	.89	.73	.55	.413
16109	DM471	470pF	500	11 x 4 x 9	1.05	.86	.69	.59

\* Capacitor dimensions and styles may vary

## Panasonic® Snap-In Capacitor

### T-UP Series

- Top vent construction
- 4-pin terminal provides stability and keyed polarity
- General purpose rated at 85°C, 3,000 hours
- Operating temperature range: -40°C to 85°C

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Part No.	Product No.	Value (µF)	Volts	Dia. x L (mm)	Pricing		
					1	10	100
857063	ECE-T2GP102FA	1000	400	40 x 60	\$13.01	\$12.45	\$9.99

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## Radial Snap-In Capacitors

### Type LP (±20%)

- High reliability
- Small size, rated for low-voltage applications
- Ideal for use in switch-mode power supplies
- PVC sleeve insulation
- Polarized
- Stable ESR



Part No.	Product No.	Value (µF)	Volts	Dia. x L (mm)	Pricing			
					1	10	100	500
535881	LP272M035C1P3	2,700	35	25 x 25	\$2.95	\$2.71	\$2.46	\$2.24
535873	LP222M025H9P3	22,000	25	35 x 50	5.95	5.24	4.98	4.88

### Type LPX (±20%)

- Compact design for high density packaging
- High capacitance
- Ideal for high voltage switch-mode power supply input filtering applications
- Low voltage
- Polarized
- PVC insulating sleeve

Part No.	Product No.	Value (µF)	Volts	Dia. x L (mm)	Pricing			
					1	10	100	500
535988	LPX101M450C3P3	100	450	25 x 30	\$4.85	\$4.36	\$3.92	\$3.52

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