

**Specification Details:**

Specification: MIL-DTL-3965  
 Title: Capacitor, Fixed, Electrolytic, (Nonsolid Electrolyte), Tantalum  
 Federal Supply Class (FSC): 5910  
 Conventional: Yes  
 Specification contains quality assurance program: No  
 MIL-STD-790 Established Reliability & High Reliability: No  
 MIL-STD-690 Failure Rate Sampling Plans & Procedures: No  
 Weibull Graded: No  
 Specification contains space level reliability requirements: No  
 Specification allows test optimization: No

**Contact Information:**

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP  
 Primary DSCC-VQ Contact: 614-692-0666, e-mail: vqp.mp@dla.mil  
 Secondary DSCC-VQ Contact: 614-692-0597, e-mail: vqp.jz@dla.mil

**Notes:**

Effective 8 June 1972, MIL-DTL-3965 has been declared "Inactive for New Design" with no superseding specification. This is applicable on all acquisitions to which MIL-DTL-3965 is applied.

PIN: Consists of the following:

Style: The style is identified by the two-letter symbol "CL" followed by a two-digit number, the letters identify tantalum, electrolytic (nonsolid electrolyte), fixed capacitors, and the number identifies a design feature of the capacitor.

Characteristic: The characteristic is identified by a single letter "B" that identifies a rated temperature range of -55°C to +85°C. When properly voltage derated, these capacitors will operate up to +125°C.

Rated voltage: The rated voltage is identified by a single letter.

Capacitance: The nominal capacitance value, expressed in microfarad (µF), is identified by a three-digit number; the first two digits represent significant figures and the last digit specifies the number of zeros to follow. When the nominal capacitance is less than 10 and does not involve fractional values, the first digit will be a zero. When fractional values of a µF, are required, the letter "R" will be used to indicate the decimal point and will be placed where appropriate in the three-digit number. For example: 2R5 represents 2.5 µF, R8 represents 0.8 µF; and R35 represents 0.35 µF.

Capacitance tolerance: The capacitance tolerance is identified by a single letter.

Construction: Construction is identified by a single letter.

Type of seal: Type of seal is identified by a single letter.

**Part Configuration:**

**CL10BC700KPG**

Style	Characteristic	Rated Voltage	Capacitance	Capacitance Tolerance	Construction	Type of Seal
CL10	B	C	700	K	P	G

**Part Listings:**

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
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**CL66**

Low-Capacitance series; Cap values 1.7 uf thru 330 uf; Tols. J, K, M; voltages (RATED) 6, 8, 10, 15, 25, 30, 50, 60, 75, 100, 125; seal type G	TLX	3965-462-75	/24	Vishay Tansitor
Low-Capacitance series; Cap values 1.7 uf thru 330 uf; Tols. J, K, M; voltages (RATED) 6, 8, 10, 15, 25, 30, 50, 60, 75, 100, 125; seal type G	WH	3965-1254-68	/24	Vishay Tansitor
High-Capacitance series; Cap values 3.6 uf thru 560 uf; Tols. J, K, M; voltages (RATED) 6, 8, 10, 15, 25, 30, 50, 60, 75, 100, 125; seal type G	TLX	3965-462-75	/24	Vishay Tansitor
High-Capacitance series; Cap values 3.6 uf thru 560 uf; Tols. J, K, M; voltages (RATED) 6, 8, 10, 15, 25, 30, 50, 60, 75, 100, 125; seal type G	WH	3965-1254-68	/24	Vishay Tansitor

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>CL67</b>				
Low-Capacitance series; Cap values 1.7 uf thru 330 uf; Tols. J, K, M; voltages (RATED) 6, 8, 10, 15, 25, 30, 50, 60, 75, 100, 125; seal type G	TLX	3965-462-75	/24	Vishay Tansitor
Low-Capacitance series; Cap values 1.7 uf thru 330 uf; Tols. J, K, M; voltages (RATED) 6, 8, 10, 15, 25, 30, 50, 60, 75, 100, 125; seal type G	WH	3965-1254-68	/24	Vishay Tansitor
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**Manufacturer and Supplier Location Information**

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**Manufacturer: Vishay Tansitor (CAGE Code: 05079)**

Location: P.O. Box 230, 2813 West Road, Bennington, VT 05201-9714, US

Plant Location: Same Address as Manufacturer