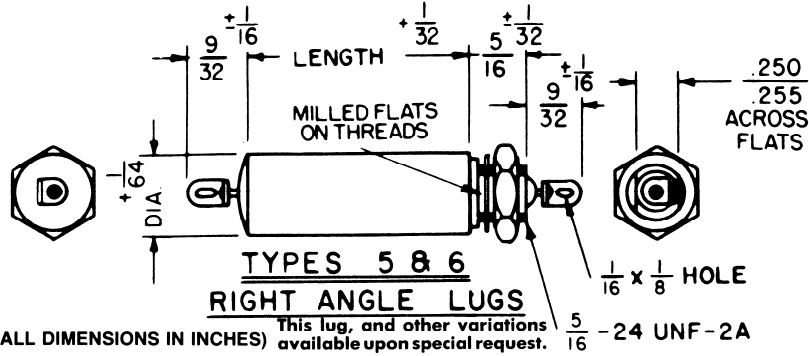




## Subminiature Feed-Through Capacitors FCX Series



Capacitance μF	Wire Lead Terminals		Lug Terminals		Case Size (inch)	
	85°C	125°C	85°C	125°C	Diameter	Length
<b>100 VDC</b>						
0.001	1B102	2B102	5B102	6B102	0.400	3/4
0.0047	1B472	2B472	5B472	6B472	0.400	3/4
0.01	1B103	2B103	5B103	6B103	0.400	3/4
0.047	1B473	2B473	5B473	6B473	0.400	3/4
0.1	1B104	2B104	5B104	6B104	0.400	7/8
0.22	1B224	2B224	5B224	6B224	0.400	1 1/8
0.33	1B334	2B334	5B334	6B334	0.562	1 3/8
0.47	1B474	2B474	5B474	6B474	0.562	1 3/8
0.68	1B684	2B684	5B684	6B684	0.562	1 7/8
1	1B105	2B105	5B105	6B105	0.670	1 7/8
<b>200 VDC</b>						
0.001	1C102	2C102	5C102	6C102	0.400	3/4
0.0047	1C472	2C472	5C472	6C472	0.400	3/4
0.01	1C103	2C103	5C103	6C103	0.400	3/4
0.047	1C473	2C473	5C473	6C473	0.400	7/8
0.1	1C104	2C104	5C104	6C104	0.400	1 1/8
0.22	1C224	2C224	5C224	6C224	0.562	1 3/8
0.33	1C334	2C334	5C334	6C334	0.562	1 5/8
0.47	1C474	2C474	5C474	6C474	0.562	1 7/8
0.68	1C684	2C684	5C684	6C684	0.670	1 7/8
1	1C105	2C105	5C105	6C105	0.750	2 1/8
<b>300 VDC</b>						
0.001	1Y102	2Y102	5Y102	6Y102	0.400	3/4
0.0047	1Y472	2Y472	5Y472	6Y472	0.400	3/4
0.01	1Y103	2Y103	5Y103	6Y103	0.400	3/4
0.047	1Y473	2Y473	5Y473	6Y473	0.400	1 1/8
0.1	1Y104	2Y104	5Y104	6Y104	0.400	1 3/8
0.22	1Y224	2Y224	5Y224	6Y224	0.562	1 3/8
0.33	1Y334	2Y334	5Y334	6Y334	0.562	1 7/8
.47	1Y474	2Y474	5Y474	6Y474	0.670	1 7/8
0.68	1Y684	2Y684	5Y684	6Y684	0.750	2 1/8

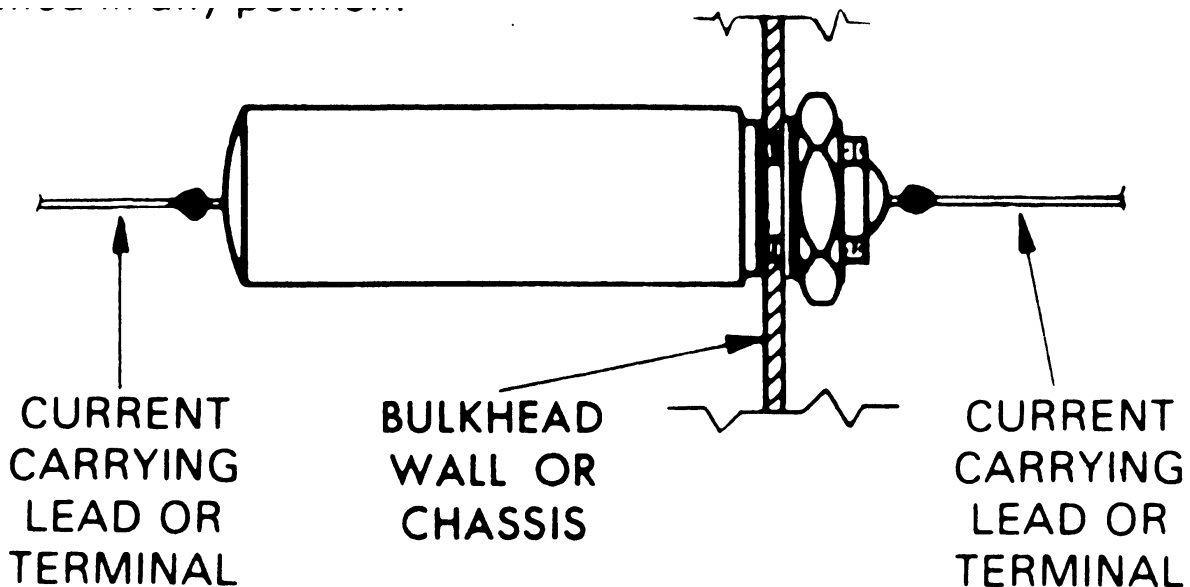




## Subminiature Feed-Through Capacitors FCX Series

Capacitance μF	Wire Lead Terminals		Lug Terminals		Case Size (inch)	
	85°C	125°C	85°C	125°C	Diameter	Length
<b>400 VDC / 125 VAC, 0 - 400 Hz</b>						
0.001	1E102	2E102	5E102	6E102	0.400	3/4
.0C47	1E472	2E472	5E472	6E472	0.400	3/4
0.01	1E103	2E103	5E103	6E103	0.400	3/4
0.047	1E473	2E473	5E473	6E473	0.400	1 3/8
0.1	1E104	2E104	5E104	6E104	0.562	1 3/8
0.22	1E224	2E224	5E224	6E224	0.562	1 7/8
0.33	1E334	2E334	5E334	6E334	0.670	1 7/8
0.47	1E474	2E474	5E474	6E474	0.750	2 1/8
0.68	1E684	2E684	5E684	6E684	0.750	2 3/8
<b>600 VDC / 250 VAC, 0 - 400 Hz</b>						
0.001	1F102	2F102	5F102	6F102	0.400	3/4
0.0047	1F472	2F472	5F472	6F472	0.400	3/4
0.01	1F103	2F103	5F103	6F103	0.400	3/4
0.047	1F473	2F473	5F473	6F473	0.400	1 3/8
0.1	1F104	2F104	5F104	6F104	0.562	1 3/8
0.22	1F224	2F224	5F224	6F224	0.670	1 7/8
0.33	1F334	2F334	5F334	6F334	0.750	2 1/8
0.47	1F474	2F474	5F474	6F474	0.750	2 3/8

### INSTALLATION





## Subminiature Feed-Through Capacitors FCX Series

**SPECIFICATIONS:**

**RATED CURRENT:** The maximum rated current for Type FCX is 10 amps continuous duty.

**RATED VOLTAGE:** FIL-COIL subminiature feed-thru capacitors are rated at 100, 200, 300, 400 and 600 volts DC and 125 and 250 volts AC. 0-400 cycles as indicated in the table on previous page.

**TEMPERATURE RANGE:** FIL-COIL capacitors are designed for continuous operation at rated voltage with rated current at any temperature within the range of -55°C to +125°C

**CAPACITANCE:** The capacitors shall be within the specified capacitance tolerance as determined by measurements made at room temperature between either terminal and the case at a frequency of 1000 cycles per second on an instrument with accuracy of 2%. Intermediate values of capacitance, other than those listed, are available on request. Capacitance ratings are available in standard tolerances of +40 -20% and ±20%. (Unless otherwise specified, capacitance tolerances of +40 -20% will be furnished). Other tolerances can be furnished upon specific request.

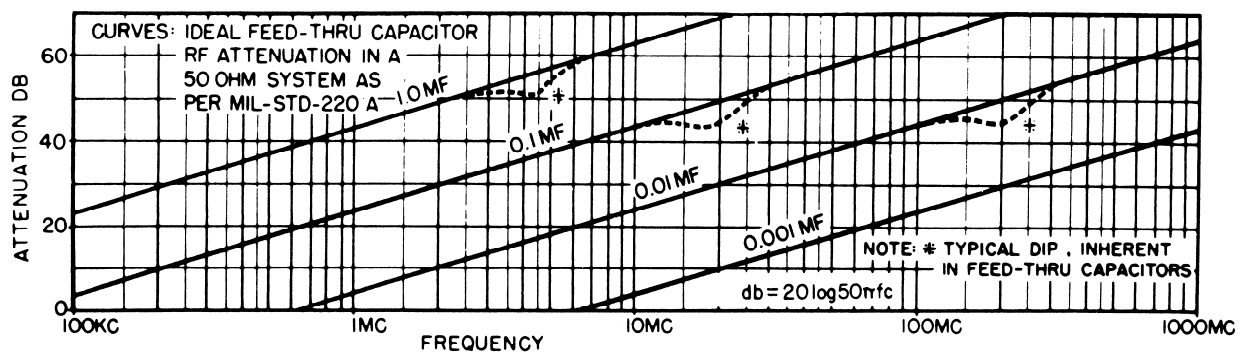
**DISSIPATION FACTOR:** The dissipation factor of each capacitor shall be measured at an rms voltage not greater than 20% of the rated voltage. Measurement shall be made at a frequency of 1000 cycles per second at room temperature. Maximum dissipation factor shall not exceed 1 %.

**INSULATION RESISTANCE:** The capacitors shall be capable of meeting the following insulation resistance requirements after two minutes charge at 100 volts DC. Higher megger-voltages may be used, provided they do not exceed the rated voltage of the capacitor.

At 25°C: Megohm-Microfarads (Min)	10,000
Megohms (Min)	30,000
At 85°C: Megohm-Microfarads (Min)	100
Megohms (Min)	1,000
At 125°C: (125°C types only)	
Megohm-Microfarads (Min)	10
Megohms (min)	100

**DIELECTRIC STRENGTH:** FIL-COIL capacitors shall be capable of withstanding direct current voltages equal to twice the rated working value. applied between either or both terminals and the case, for two minutes maximum. Charging and discharging surge currents shall be limited to 1 ampere maximum.

**RECOMMENDED INSTALLATION:** FIL-COIL capacitors can be mounted in any position.



These units designed to meet all electrical, mechanical and environmental requirements of MIL-C-11693 for feed-thru suppression capacitors.

All Fil-Coil subminiature feed-thru capacitors are 100% tested prior to shipment

Where greater attenuation is required than that provided by feed-thru capacitors, refer to Fil-Coil' line of RF interference filters.

