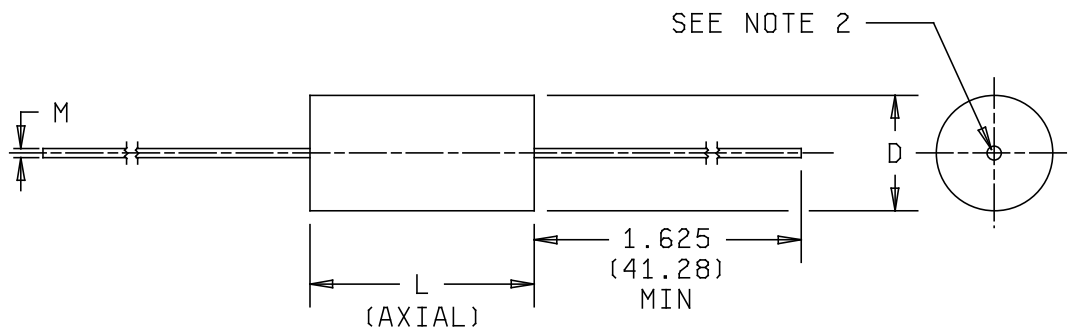


PERFORMANCE SPECIFICATION SHEET

CAPACITOR, FIXED, PLASTIC DIELECTRIC, DC,
IN NONMETAL CASES, ESTABLISHED RELIABILITY,
STYLE CFR02

This specification sheet is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification sheet and [MIL-PRF-55514](#).



NOTES:

1. Dimensions are in inches.
2. Leads shall be of solid wire and located on centerline within $\pm .062$ inch (1.57 mm) but not less than .03 inch (0.76 mm) from edge of capacitor.
3. Millimeters are in parentheses.
4. Metric equivalents are given for general information only.
5. Lead length may be a minimum of 1-inch long for use in tape and reel packaging when specified in the ordering data.

FIGURE 1. Style CFR02 capacitors.



TABLE I. Style CFR02 capacitor characteristics.

CHARACTERISTIC M CAPACITORS						
Part or identifying number (PIN) 1/	Capacitance (nom) μ F	Rated voltage (at +85°C) volts, dc	Capacitance tolerance available	Dimensions (in inches)		
				D 2/	L $\pm$.062 (1.57)	M +.005 (.13) 3/ M -.003 (.08) 3/
CFR02AMB682--	.0068	100	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMB822--	.0082	100	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMB103--	.010	100	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMB123--	.012	100	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AMB153--	.015	100	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AMB183--	.018	100	G, J, K	.188 (4.78)	.688 (17.48)	.025 (.64)
CFR02AMB223--	.022	100	G, J, K	.188 (4.78)	.688 (17.48)	.025 (.64)
CFR02AMB273--	.027	100	G, J, K	.203 (5.16)	.688 (17.48)	.025 (.64)
CFR02AMB333--	.033	100	G, J, K	.203 (5.16)	.688 (17.48)	.025 (.64)
CFR02AMB393--	.039	100	G, J, K	.250 (6.35)	.688 (17.48)	.025 (.64)
CFR02AMB473--	.047	100	G, J, K	.250 (6.35)	.688 (17.48)	.025 (.64)
CFR02AMB563--	.056	100	G, J, K	.250 (6.35)	.812 (20.62)	.025 (.64)
CFR02AMB683--	.068	100	G, J, K	.250 (6.35)	.812 (20.62)	.025 (.64)
CFR02AMB823--	.082	100	G, J, K	.297 (7.54)	.812 (20.62)	.025 (.64)
CFR02AMB104--	.10	100	G, J, K	.297 (7.54)	.812 (20.62)	.025 (.64)
CFR02AMB124--	.12	100	G, J, K	.360 (9.14)	.812 (20.62)	.032 (.81)
CFR02AMB154--	.15	100	G, J, K	.360 (9.14)	.812 (20.62)	.032 (.81)
CFR02AMB184--	.18	100	G, J, K	.329 (8.36)	1.188 (30.18)	.025 (.64)
CFR02AMB224--	.22	100	G, J, K	.329 (8.36)	1.188 (30.18)	.025 (.64)
CFR02AMB274--	.27	100	G, J, K	.390 (9.91)	1.188 (30.18)	.032 (.81)
CFR02AMB334--	.33	100	G, J, K	.390 (9.91)	1.188 (30.18)	.032 (.81)
CFR02AMB394--	.39	100	G, J, K	.485 (12.32)	1.188 (30.18)	.032 (.81)
CFR02AMB474--	.47	100	G, J, K	.485 (12.32)	1.188 (30.18)	.032 (.81)
CFR02AMB564--	.56	100	G, J, K	.500 (12.70)	1.562 (39.67)	.032 (.81)
CFR02AMB684--	.68	100	G, J, K	.500 (12.70)	1.562 (39.67)	.032 (.81)
CFR02AMB824--	.82	100	G, J, K	.548 (13.92)	1.562 (39.67)	.032 (.81)
CFR02AMB105--	1.00	100	G, J, K	.548 (13.92)	1.562 (39.67)	.032 (.81)
CFR02AMC102--	.0010	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC122--	.0012	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC152--	.0015	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC182--	.0018	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC222--	.0022	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC272--	.0027	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC332--	.0033	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC392--	.0039	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC472--	.0047	200	G, J, K	.172 (4.37)	.438 (11.13)	.025 (.64)
CFR02AMC562--	.0056	200	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AMC682--	.0068	200	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AMC822--	.0082	200	G, J, K	.188 (4.78)	.688 (17.48)	.025 (.64)
CFR02AMC103--	.010	200	G, J, K	.188 (4.78)	.688 (17.48)	.025 (.64)
CFR02AMC123--	.012	200	G, J, K	.203 (5.16)	.688 (17.48)	.025 (.64)
CFR02AMC153--	.015	200	G, J, K	.203 (5.16)	.688 (17.48)	.025 (.64)
CFR02AMC183--	.018	200	G, J, K	.234 (5.94)	.688 (17.48)	.025 (.64)
CFR02AMC223--	.022	200	G, J, K	.234 (5.94)	.688 (17.48)	.025 (.64)
CFR02AMC273--	.027	200	G, J, K	.250 (6.35)	.812 (20.62)	.025 (.64)
CFR02AMC333--	.033	200	G, J, K	.250 (6.35)	.812 (20.62)	.025 (.64)
CFR02AMC393--	.039	200	G, J, K	.266 (6.76)	.812 (20.62)	.025 (.64)
CFR02AMC473--	.047	200	G, J, K	.266 (6.76)	.812 (20.62)	.025 (.64)
CFR02AMC563--	.056	200	G, J, K	.297 (7.54)	.812 (20.62)	.025 (.64)

See footnotes at end of table.

TABLE I. Style CFR02 capacitor characteristics - Continued.

CHARACTERISTIC M CAPACITORS						
PIN <u>1/</u>	Capacitance (nom) μ F	Rated voltage (at +85°C) volts, dc	Capacitance tolerance available	Dimensions (in inches)		
				D <u>2/</u>	L $\pm$.062 (1.57)	M +.005 (.13) <u>3/</u> M -.003 (.08) <u>3/</u>
CFR02AMC683--	.068	200	G, J, K	.297 (7.54)	.812 (20.62)	.025 (.64)
CFR02AMC823--	.082	200	G, J, K	.329 (8.36)	1.062 (26.97)	.025 (.64)
CFR02AMC104--	.10	200	G, J, K	.329 (8.36)	1.062 (26.97)	.025 (.64)
CFR02AMC124--	.12	200	G, J, K	.390 (9.91)	1.062 (26.97)	.032 (.81)
CFR02AMC154--	.15	200	G, J, K	.390 (9.91)	1.062 (26.97)	.032 (.81)
CFR02AMC184--	.18	200	G, J, K	.390 (9.91)	1.188 (30.18)	.032 (.81)
CFR02AMC224--	.22	200	G, J, K	.390 (9.91)	1.188 (30.18)	.032 (.81)
CFR02AMC274--	.27	200	G, J, K	.500 (12.70)	1.188 (30.18)	.032 (.81)
CFR02AMC334--	.33	200	G, J, K	.500 (12.70)	1.188 (30.18)	.032 (.81)
CFR02AMC394--	.39	200	G, J, K	.516 (13.11)	1.562 (39.67)	.032 (.81)
CFR02AMC474--	.47	200	G, J, K	.516 (13.11)	1.562 (39.67)	.032 (.81)
CFR02AMC564--	.56	200	G, J, K	.630 (16.00)	1.688 (42.48)	.032 (.81)
CFR02AMC684--	.68	200	G, J, K	.630 (16.00)	1.688 (42.48)	.032 (.81)
CFR02AMC824--	.82	200	G, J, K	.695 (17.65)	1.875 (47.63)	.032 (.81)
CFR02AMC105--	1.00	200	G, J, K	.695 (17.65)	1.875 (47.63)	.032 (.81)
CFR02AME182--	.0018	400	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AME222--	.0022	400	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AME272--	.0027	400	G, J, K	.188 (4.78)	.688 (17.48)	.025 (.64)
CFR02AME332--	.0033	400	G, J, K	.188 (4.78)	.688 (17.48)	.025 (.64)
CFR02AME392--	.0039	400	G, J, K	.203 (5.16)	.688 (17.48)	.025 (.64)
CFR02AME472--	.0047	400	G, J, K	.203 (5.16)	.688 (17.48)	.025 (.64)
CFR02AME562--	.0056	400	G, J, K	.250 (6.35)	.688 (17.48)	.025 (.64)
CFR02AME682--	.0068	400	G, J, K	.250 (6.35)	.688 (17.48)	.025 (.64)
CFR02AME822--	.0082	400	G, J, K	.250 (6.35)	.812 (20.62)	.025 (.64)
CFR02AME103--	.010	400	G, J, K	.250 (6.35)	.812 (20.62)	.025 (.64)
CFR02AME123--	.012	400	G, J, K	.266 (6.76)	.812 (20.62)	.025 (.64)
CFR02AME153--	.015	400	G, J, K	.266 (6.76)	.812 (20.62)	.025 (.64)
CFR02AME183--	.018	400	G, J, K	.313 (7.95)	.812 (20.62)	.025 (.64)
CFR02AME223--	.022	400	G, J, K	.313 (7.95)	.812 (20.62)	.025 (.64)
CFR02AME273--	.027	400	G, J, K	.360 (9.14)	.812 (20.62)	.032 (.81)
CFR02AME333--	.033	400	G, J, K	.360 (9.14)	.812 (20.62)	.032 (.81)
CFR02AME393--	.039	400	G, J, K	.360 (9.14)	1.062 (26.97)	.032 (.81)
CFR02AME473--	.047	400	G, J, K	.360 (9.14)	1.062 (26.97)	.032 (.81)
CFR02AME563--	.056	400	G, J, K	.390 (9.91)	1.188 (30.18)	.032 (.81)
CFR02AME683--	.068	400	G, J, K	.390 (9.91)	1.188 (30.18)	.032 (.81)
CFR02AME823--	.082	400	G, J, K	.485 (12.32)	1.188 (30.18)	.032 (.81)
CFR02AME104--	.10	400	G, J, K	.485 (12.32)	1.188 (30.18)	.032 (.81)
CFR02AME124--	.12	400	G, J, K	.500 (12.70)	1.562 (39.67)	.032 (.81)
CFR02AME154--	.15	400	G, J, K	.500 (12.70)	1.562 (39.67)	.032 (.81)
CFR02AME184--	.18	400	G, J, K	.586 (14.88)	1.562 (39.67)	.032 (.81)
CFR02AME224--	.22	400	G, J, K	.586 (14.88)	1.562 (39.67)	.032 (.81)
CFR02AME274--	.27	400	G, J, K	.681 (17.30)	1.688 (42.48)	.032 (.81)
CFR02AME334--	.33	400	G, J, K	.681 (17.30)	1.688 (42.48)	.032 (.81)
CFR02AME394--	.39	400	G, J, K	.750 (19.05)	1.875 (47.63)	.032 (.81)
CFR02AME474--	.47	400	G, J, K	.750 (19.05)	1.875 (47.63)	.032 (.81)
CFR02AME564--	.56	400	G, J, K	.940 (23.88)	2.215 (53.98)	.032 (.81)
CFR02AME684--	.68	400	G, J, K	1.020 (25.91)	2.375 (60.33)	.032 (.81)
CFR02AME824--	.82	400	G, J, K	1.150 (29.21)	2.375 (60.33)	.032 (.81)
CFR02AME105--	1.00	400	G, J, K	1.150 (29.21)	2.625 (66.68)	.032 (.81)

See footnotes at end of table.

TABLE I. Style CFR02 capacitor characteristics - Continued.

CHARACTERISTIC M CAPACITORS						
PIN <u>1/</u>	Capacitance (nom) μ F	Rated voltage (at +85°C) volts, dc	Capacitance tolerance available	Dimensions (in inches)		
				D <u>2/</u>	L $\pm$.062 (1.57)	M +.005 (.13) <u>3/</u> M -.003 (.08) <u>3/</u>
CFR02AMF102--	.0010	600	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AMF122--	.0012	600	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AMF152--	.0015	600	G, J, K	.172 (4.37)	.688 (17.48)	.025 (.64)
CFR02AMF182--	.0018	600	G, J, K	.188 (4.78)	.688 (17.48)	.025 (.64)
CFR02AMF222--	.0022	600	G, J, K	.188 (4.78)	.688 (17.48)	.025 (.64)
CFR02AMF272--	.0027	600	G, J, K	.203 (5.16)	.688 (17.48)	.025 (.64)
CFR02AMF332--	.0033	600	G, J, K	.203 (5.16)	.688 (17.48)	.025 (.64)
CFR02AMF392--	.0039	600	G, J, K	.250 (6.35)	.688 (17.48)	.025 (.64)
CFR02AMF472--	.0047	600	G, J, K	.250 (6.35)	.688 (17.48)	.025 (.64)
CFR02AMF562--	.0056	600	G, J, K	.250 (6.35)	.812 (20.62)	.025 (.64)
CFR02AMF682--	.0068	600	G, J, K	.250 (6.35)	.812 (20.62)	.025 (.64)
CFR02AMF822--	.0082	600	G, J, K	.266 (6.76)	.812 (20.62)	.025 (.64)
CFR02AMF103--	.010	600	G, J, K	.266 (6.76)	.812 (20.62)	.025 (.64)
CFR02AMF123--	.012	600	G, J, K	.313 (7.95)	.812 (20.62)	.025 (.64)
CFR02AMF153--	.015	600	G, J, K	.313 (7.95)	.812 (20.62)	.025 (.64)
CFR02AMF183--	.018	600	G, J, K	.360 (9.14)	.812 (20.62)	.032 (.81)
CFR02AMF223--	.022	600	G, J, K	.360 (9.14)	.812 (20.62)	.032 (.81)
CFR02AMF273--	.027	600	G, J, K	.360 (9.14)	1.062 (26.97)	.032 (.81)
CFR02AMF333--	.033	600	G, J, K	.360 (9.14)	1.062 (26.97)	.032 (.81)
CFR02AMF393--	.039	600	G, J, K	.390 (9.91)	1.188 (30.18)	.032 (.81)
CFR02AMF473--	.047	600	G, J, K	.390 (9.91)	1.188 (30.18)	.032 (.81)
CFR02AMF563--	.056	600	G, J, K	.485 (12.32)	1.188 (30.18)	.032 (.81)
CFR02AMF683--	.068	600	G, J, K	.485 (12.32)	1.188 (30.18)	.032 (.81)
CFR02AMF823--	.082	600	G, J, K	.500 (12.70)	1.562 (39.67)	.032 (.81)
CFR02AMF104--	.100	600	G, J, K	.500 (12.70)	1.562 (39.67)	.032 (.81)
CHARACTERISTICS Q AND V CAPACITORS						
CFR02A-B102--	.0010	100	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-B122--	.0012	100	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-B152--	.0015	100	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-B182--	.0018	100	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-B222--	.0022	100	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-B272--	.0027	100	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-B332--	.0033	100	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-B392--	.0039	100	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-B472--	.0047	100	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-B562--	.0056	100	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-B682--	.0068	100	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-B822--	.0082	100	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-B103--	.010	100	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-B123--	.012	100	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-B153--	.015	100	F, G, J, K	.312 (7.92)	.453 (11.51)	.025 (.64)
CFR02A-B183--	.018	100	F, G, J, K	.328 (8.33)	.453 (11.51)	.025 (.64)
CFR02A-B223--	.022	100	F, G, J, K	.266 (6.76)	.750 (19.05)	.025 (.64)
CFR02A-B273--	.027	100	F, G, J, K	.281 (7.14)	.750 (19.05)	.025 (.64)
CFR02A-B333--	.033	100	F, G, J, K	.297 (7.54)	.750 (19.05)	.025 (.64)
CFR02A-B393--	.039	100	F, G, J, K	.312 (7.92)	.750 (19.05)	.025 (.64)
CFR02A-B473--	.047	100	F, G, J, K	.328 (8.33)	.750 (19.05)	.025 (.64)

See footnotes at end of table.

TABLE I. Style CFR02 capacitor characteristics - Continued.

CHARACTERISTIC Q AND V CAPACITORS						
PIN <u>1/</u>	Capacitance (nom) μ F	Rated voltage (at +85°C) volts, dc	Capacitance tolerance available	Dimensions (in inches)		
				D <u>2/</u>	L $\pm$.062 (1.57)	M +.005 (.13) <u>3/</u> M -.003 (.08) <u>3/</u>
CFR02A-B563--	.056	100	F, G, J, K	.359 (9.12)	.750 (19.05)	.032 (.81)
CFR02A-B683--	.068	100	F, G, J, K	.391 (9.93)	.750 (19.05)	.032 (.81)
CFR02A-B823--	.082	100	F, G, J, K	.359 (9.12)	.875 (22.23)	.032 (.81)
CFR02A-B104--	.100	100	F, G, J, K	.406 (10.31)	.875 (22.23)	.032 (.81)
CFR02A-B124--	.12	100	F, G, J, K	.422 (10.72)	.875 (22.23)	.032 (.81)
CFR02A-B154--	.15	100	F, G, J, K	.468 (11.89)	.875 (22.23)	.032 (.81)
CFR02A-B184--	.18	100	F, G, J, K	.406 (10.31)	1.219 (30.96)	.032 (.81)
CFR02A-B224--	.22	100	F, G, J, K	.453 (11.51)	1.219 (30.96)	.032 (.81)
CFR02A-B274--	.27	100	F, G, J, K	.484 (12.29)	1.219 (30.96)	.032 (.81)
CFR02A-B334--	.33	100	F, G, J, K	.516 (13.11)	1.219 (30.96)	.032 (.81)
CFR02A-B394--	.39	100	F, G, J, K	.549 (13.94)	1.219 (30.96)	.032 (.81)
CFR02A-B474--	.47	100	F, G, J, K	.625 (15.88)	1.219 (30.96)	.032 (.81)
CFR02A-B564--	.56	100	F, G, J, K	.688 (17.48)	1.219 (30.96)	.032 (.81)
CFR02A-B684--	.68	100	F, G, J, K	.641 (16.29)	1.594 (40.49)	.032 (.81)
CFR02A-B824--	.82	100	F, G, J, K	.688 (17.48)	1.594 (40.49)	.032 (.81)
CFR02A-B105--	1.00	100	F, G, J, K	.719 (18.26)	1.594 (40.49)	.032 (.81)
CFR02A-C102--	.0010	200	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-C122--	.0012	200	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-C152--	.0015	200	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-C182--	.0018	200	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-C222--	.0022	200	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-C272--	.0027	200	F, G, J, K	.231 (5.87)	.453 (11.51)	.025 (.64)
CFR02A-C332--	.0033	200	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-C392--	.0039	200	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-C472--	.0047	200	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-C562--	.0056	200	F, G, J, K	.281 (7.14)	.453 (11.51)	.025 (.64)
CFR02A-C682--	.0068	200	F, G, J, K	.312 (7.92)	.453 (11.51)	.025 (.64)
CFR02A-C822--	.0082	200	F, G, J, K	.231 (5.87)	.750 (19.05)	.025 (.64)
CFR02A-C103--	.010	200	F, G, J, K	.250 (6.35)	.750 (19.05)	.025 (.64)
CFR02A-C123--	.012	200	F, G, J, K	.266 (6.76)	.750 (19.05)	.025 (.64)
CFR02A-C153--	.015	200	F, G, J, K	.281 (7.14)	.750 (19.05)	.025 (.64)
CFR02A-C183--	.018	200	F, G, J, K	.312 (7.92)	.750 (19.05)	.025 (.64)
CFR02A-C223--	.022	200	F, G, J, K	.328 (8.33)	.750 (19.05)	.025 (.64)
CFR02A-C273--	.027	200	F, G, J, K	.359 (9.12)	.750 (19.05)	.032 (.81)
CFR02A-C333--	.033	200	F, G, J, K	.391 (9.93)	.750 (19.05)	.032 (.81)
CFR02A-C393--	.039	200	F, G, J, K	.359 (9.12)	.875 (22.23)	.032 (.81)
CFR02A-C473--	.047	200	F, G, J, K	.391 (9.93)	.875 (22.23)	.032 (.81)
CFR02A-C563--	.056	200	F, G, J, K	.422 (10.72)	.875 (22.23)	.032 (.81)
CFR02A-C683--	.068	200	F, G, J, K	.453 (11.51)	.875 (22.23)	.032 (.81)
CFR02A-C823--	.082	200	F, G, J, K	.500 (12.70)	.875 (22.23)	.032 (.81)
CFR02A-C104--	.10	200	F, G, J, K	.438 (11.13)	1.219 (30.96)	.032 (.81)
CFR02A-C124--	.12	200	F, G, J, K	.469 (11.91)	1.219 (30.96)	.032 (.81)
CFR02A-C154--	.15	200	F, G, J, K	.516 (13.11)	1.219 (30.96)	.032 (.81)
CFR02A-C184--	.18	200	F, G, J, K	.547 (13.89)	1.219 (30.96)	.032 (.81)
CFR02A-C224--	.22	200	F, G, J, K	.625 (15.88)	1.219 (30.96)	.032 (.81)
CFR02A-C274--	.27	200	F, G, J, K	.594 (15.09)	1.594 (40.49)	.032 (.81)
CFR02A-C334--	.33	200	F, G, J, K	.641 (16.29)	1.594 (40.49)	.032 (.81)
CFR02A-C394--	.39	200	F, G, J, K	.688 (17.48)	1.594 (40.49)	.032 (.81)
CFR02A-C474--	.47	200	F, G, J, K	.734 (18.64)	1.594 (40.49)	.032 (.81)

See footnotes at end of table.

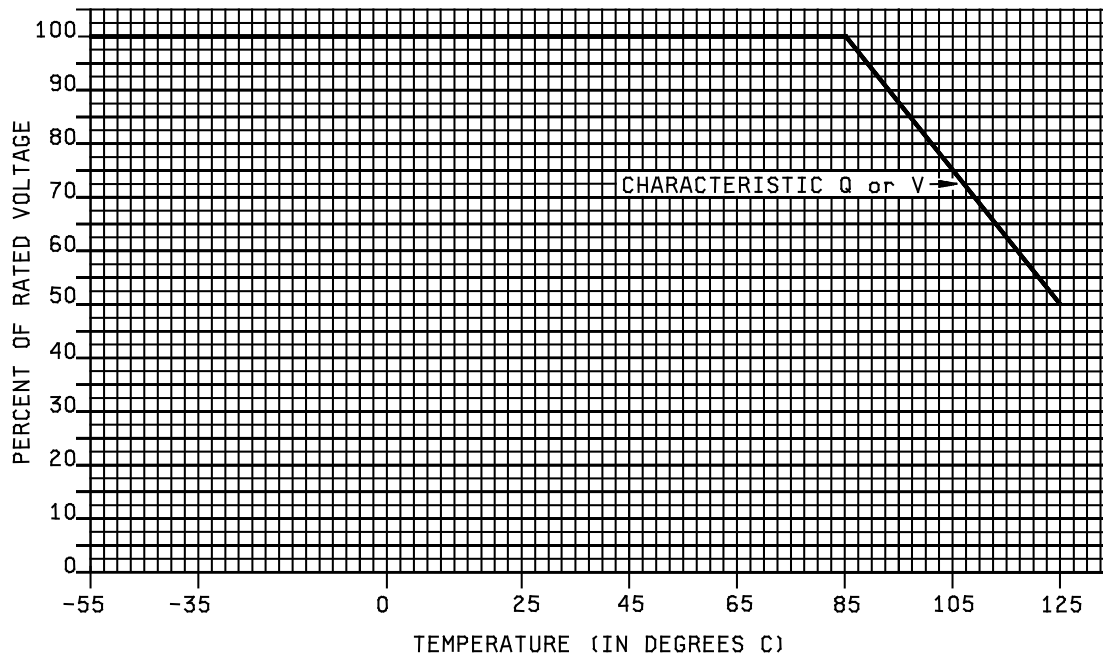
TABLE I. Style CFR02 capacitor characteristics - Continued.

CHARACTERISTIC Q AND V CAPACITORS						
PIN <u>1/</u>	Capacitance (nom) μ F	Rated voltage (at +85°C) volts, dc	Capacitance tolerance available	Dimensions (in inches)		
				D <u>2/</u>	L $\pm$.062 (1.57)	M +.005 (.13) <u>3/</u> M -.003 (.08) <u>3/</u>
CFR02A-C564--	.56	200	F, G, J, K	.797 (20.24)	1.594 (40.49)	.032 (.81)
CFR02A-C684--	.68	200	F, G, J, K	.859 (21.82)	1.594 (40.49)	.032 (.81)
CFR02A-C824--	.82	200	F, G, J, K	.859 (21.82)	1.844 (46.84)	.032 (.81)
CFR02A-C105--	1.00	200	F, G, J, K	.938 (23.83)	1.844 (46.84)	.032 (.81)

1/ The complete PIN will include additional symbols to indicate characteristic (V or Q), capacitance tolerance and product level (C, M, P, R, or S).

2/ Tolerances for dimension "D" are $\pm$.031 inch (.250 inch diameter and below); $\pm$.046 inch (.251 inch through .499 inch diameter); and $\pm$.062 inch (.500 inch diameter and above).

3/ Comparable AWG sizes are No. 22 (.025 inch) and No. 20 (.032 inch).

FIGURE 2. Voltage derating with temperature.

REQUIREMENTS:

Dimensions and configuration: See [figure 1](#) and [table I](#).

Terminals: Axial wire-lead (A).

Dielectric: Polyethylene terephthalate (characteristic M); or Metallized polycarbonate (characteristic Q); or Polyphenylene sulfide foil (characteristic V).

Characteristics: M, Q, or V, as shown in [table I](#).

Rated voltage: 100v (B), 200v (C), 400v (E) or 600v (F). When properly voltage derated (see [figure 2](#)), characteristic Q or V units will operate to +125°C.

Capacitance (nominal): See [table I](#).

Capacitance tolerance: See [table I](#).

Operating temperature range:

Characteristic M: -55°C to +85°C.

Characteristics Q and V: -55°C to +125°C when properly voltage derated (see [figure 2](#)).

Burn-in:

Characteristic M: DC only, with 140 percent of +85°C dc rated voltage as specified in [MIL-PRF-55514](#), applied for 48 hours minimum, at +85°C.

Characteristics Q and V: DC only, with 140 percent of +125°C dc rated voltage as specified in [MIL-PRF-55514](#), applied for 48 hours minimum, at +125°C.

Changes from previous issue: The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:
Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5910-2023-020)

Review activities:
Navy - AS, MC, OS
Air Force - 19, 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.