

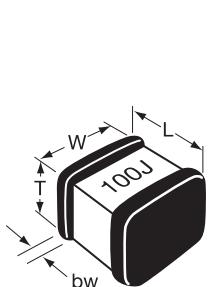
# RF/Microwave Capacitors

## RF/Microwave Multilayer Capacitors (MLC)

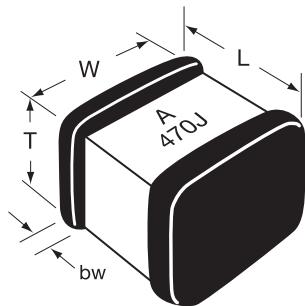
### CDR Series – MIL-PRF-55681 (RF/Microwave Chips)



#### MILITARY DESIGNATION PER MIL-PRF-55681



CDR11/12



CDR13/14

#### PACKAGING

Standard Packaging Quantity

CDR11-12 = 100 pcs per waffle pack

CDR13-14 = 80 pcs per waffle pack

#### TAPE & REEL:

All tape and reel specifications are in compliance with EIA RS481 (equivalent to IEC 286 part 3).

Sizes SQCA through SQCB, CDR11/12 through 13/14.

-8mm carrier

-7" reel: ≤0.040" thickness = 2000 pcs

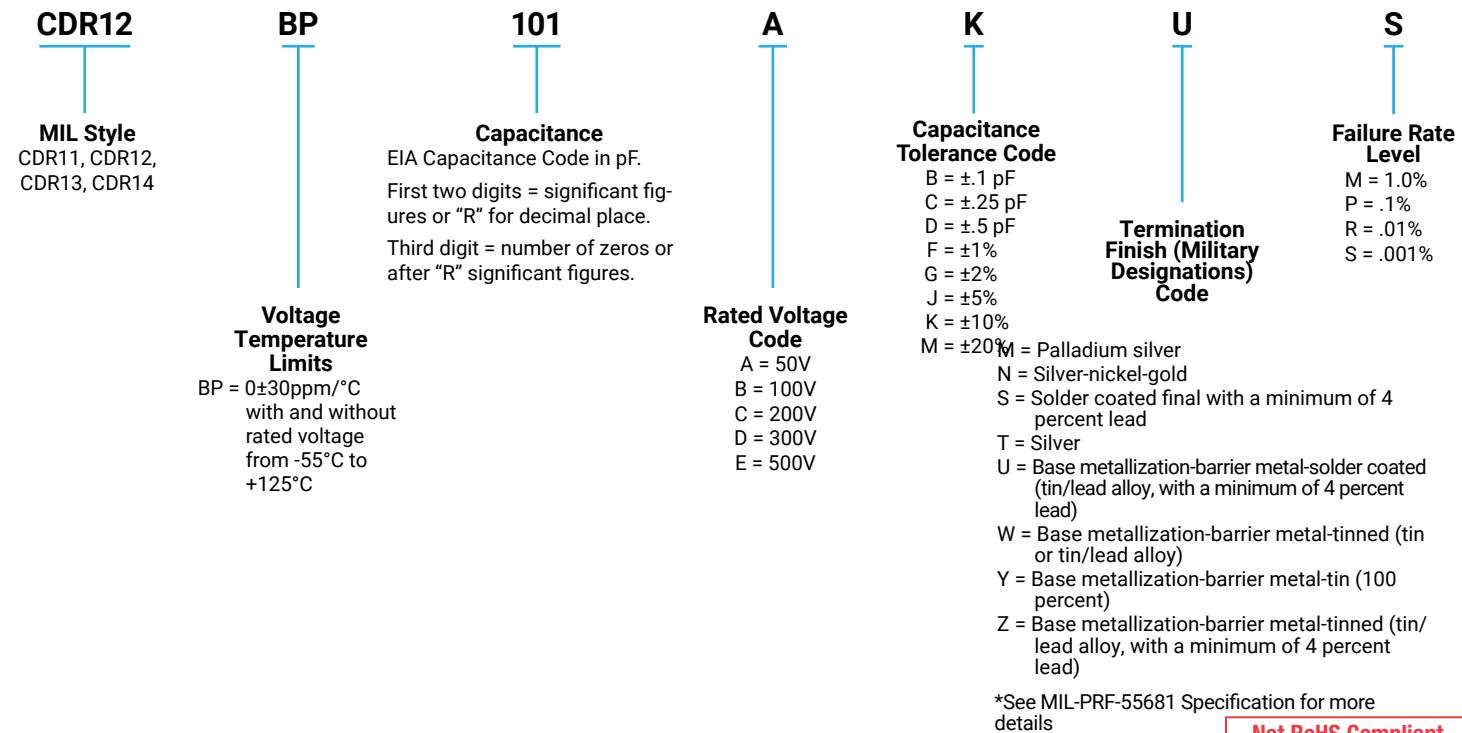
≤0.075" thickness = 2000 pcs

-13" reel: ≤0.075" thickness = 10,000 pcs

#### CROSS REFERENCE: AVX/MIL-PRF-55681

| Per MIL-C-55681 | AVX Style | Length (L)                              | Width (W)                | Thickness (T)  |                | Termination Band (bw) |                |
|-----------------|-----------|---|--------------------------|----------------|----------------|-----------------------|----------------|
|                 |           |   |                          | Max            | Min            | Max                   | Min            |
| CDR11           | AQ11      | .055±.015<br>(1.40±.381)                | .055±.015<br>(1.40±.381) | .057<br>(1.45) | .020<br>(.508) | .020<br>(.508)        | .005<br>(.127) |
| CDR12           | AQ12      | .055±.025<br>(1.40±.635)                | .055±.015<br>(1.40±.381) | .057<br>(1.45) | .020<br>(.508) | .020<br>(.508)        | .005<br>(.127) |
| CDR13           | AQ13      | .110±.020<br>(2.79±.508)                | .110±.020<br>(2.79±.508) | .102<br>(2.59) | .030<br>(.762) | .025<br>(.635)        | .005<br>(.127) |
| CDR14           | AQ14      | .110 +.035 -0.020<br>(2.79 +.889 -.508) | .110±.020<br>(2.79±.508) | .102<br>(2.59) | .030<br>(.762) | .025<br>(.635)        | .005<br>(.127) |

#### HOW TO ORDER



For RoHS compliant products,  
please select correct termination style.



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at [www.avx.com/disclaimer/](http://www.avx.com/disclaimer/) by reference and should be reviewed in full before placing any order.

# RF/Microwave Capacitors

## RF/Microwave Multilayer Capacitors (MLC)

### CDR Series – MIL-PRF-55681 (RF/Microwave Chips)



**TABLE I: STYLES CDR11 AND CDR12 CAPACITOR CHARACTERISTICS**

| Type Designation 1/ | Capacitance in pF | Capacitance tolerance | Rated temperature and V/Temperature | WVDC |
|---------------------|-------------------|-----------------------|-------------------------------------|------|
| CDR1 -B-0R1AB--     | 0.1               | B                     | BP                                  | 50   |
| CDR1 -B-0R2AB--     | 0.2               | B                     | BP                                  | 50   |
| CDR1 -B-0R3A---     | 0.3               | B, C                  | BP                                  | 50   |
| CDR1 -B-0R4A---     | 0.4               | B, C                  | BP                                  | 50   |
| CDR1 -B-0R5A---     | 0.5               | B, C, D               | BP                                  | 50   |
| CDR1 -B-0R6A---     | 0.6               | B, C, D               | BP                                  | 50   |
| CDR1 -B-0R7A---     | 0.7               | B, C, D               | BP                                  | 50   |
| CDR1 -B-0R8A---     | 0.8               | B, C, D               | BP                                  | 50   |
| CDR1 -B-0R9A---     | 0.9               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R0A---     | 1.0               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R1A---     | 1.1               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R2A---     | 1.2               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R3A---     | 1.3               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R4A---     | 1.4               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R5A---     | 1.5               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R6A---     | 1.6               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R7A---     | 1.7               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R8A---     | 1.8               | B, C, D               | BP                                  | 50   |
| CDR1 -B-1R9A---     | 1.9               | B, C, D               | BP                                  | 50   |
| CDR1 -B-2R0A---     | 2.0               | B, C, D               | BP                                  | 50   |
| CDR1 -B-2R1A---     | 2.1               | B, C, D               | BP                                  | 50   |
| CDR1 -B-2R2A---     | 2.2               | B, C, D               | BP                                  | 50   |
| CDR1 -B-2R4A---     | 2.4               | B, C, D               | BP                                  | 50   |
| CDR1 -B-2R7A---     | 2.7               | B, C, D               | BP                                  | 50   |
| CDR1 -B-3R0A---     | 3.0               | B, C, D               | BP                                  | 50   |
| CDR1 -B-3R3A---     | 3.3               | B, C, D               | BP                                  | 50   |
| CDR1 -B-3R6A---     | 3.6               | B, C, D               | BP                                  | 50   |
| CDR1 -B-3R9A---     | 3.9               | B, C, D               | BP                                  | 50   |
| CDR1 -B-4R3A---     | 4.3               | B, C, D               | BP                                  | 50   |
| CDR1 -B-4R7A---     | 4.7               | B, C, D               | BP                                  | 50   |
| CDR1 -B-5R1A---     | 5.1               | B, C, D               | BP                                  | 50   |
| CDR1 -B-5R6A---     | 5.6               | B, C, D               | BP                                  | 50   |
| CDR1 -B-6R2A---     | 6.2               | B, C, D               | BP                                  | 50   |
| CDR1 -B-6R8A---     | 6.8               | B, C, J, K, M         | BP                                  | 50   |
| CDR1 -B-7R5A---     | 7.5               | B, C, J, K, M         | BP                                  | 50   |
| CDR1 -B-8R2A---     | 8.2               | B, C, J, K, M         | BP                                  | 50   |
| CDR1 -B-9R1A---     | 9.1               | B, C, J, K, M         | BP                                  | 50   |
| CDR1 -B-100A---     | 10                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-110A---     | 11                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-120A---     | 12                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-130A---     | 13                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-150A---     | 15                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-160A---     | 16                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-180A---     | 18                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-200A---     | 20                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-220A---     | 22                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-240A---     | 24                | F, G, J, K, M         | BP                                  | 50   |

| Type Designation 1/ | Capacitance in pF | Capacitance tolerance | Rated temperature and V/Temperature | WVDC |
|---------------------|-------------------|-----------------------|-------------------------------------|------|
| CDR1 -B-270A---     | 27                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-300A---     | 30                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-330A---     | 33                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-360A---     | 36                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-390A---     | 39                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-430A---     | 43                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-470A---     | 47                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-510A---     | 51                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-560A---     | 56                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-620A---     | 62                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-680A---     | 68                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-750A---     | 75                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-820A---     | 82                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-910A---     | 91                | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-101A---     | 100               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-111A---     | 110               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-121A---     | 120               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-131A---     | 130               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-151A---     | 150               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-161A---     | 160               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-181A---     | 180               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-201A---     | 200               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-221A---     | 220               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-241A---     | 240               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-271A---     | 270               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-301A---     | 300               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-331A---     | 330               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-361A---     | 360               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-391A---     | 390               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-431A---     | 430               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-471A---     | 470               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-511A---     | 510               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-561A---     | 560               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-621A---     | 620               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-681A---     | 680               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-751A---     | 750               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-821A---     | 820               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-911A---     | 910               | F, G, J, K, M         | BP                                  | 50   |
| CDR1 -B-102A---     | 1000              | F, G, J, K, M         | BP                                  | 50   |

1/Complete type designation will include additional symbols to indicate style, voltage-temperature limits, capacitance tolerance (where applicable), termination finish ("M" or "N" for style CDR11, and "S", "U", "W", "Y" or "Z" for style CDR12) and failure rate level.

# RF/Microwave Capacitors

## RF/Microwave Multilayer Capacitors (MLC)

### CDR Series – MIL-PRF-55681 (RF/Microwave Chips)



**TABLE II: STYLES CDR13 AND CDR14 CAPACITOR CHARACTERISTICS**

| Type Designation 1/ | Capacitance in pF | Capacitance tolerance | Rated temperature and V/Temperature | WVDC    |
|---------------------|-------------------|-----------------------|-------------------------------------|---------|
| CDR1-B-0R1*B--      | 0.1               | B                     | BP                                  | 200/500 |
| CDR1-B-0R2*B--      | 0.2               | B                     | BP                                  | 200/500 |
| CDR1-B-0R3*---      | 0.3               | B, C                  | BP                                  | 200/500 |
| CDR1-B-0R4*---      | 0.4               | B, C                  | BP                                  | 200/500 |
| CDR1-B-0R5*---      | 0.5               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-0R6*---      | 0.6               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-0R7*--       | 0.7               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-0R8*--       | 0.8               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-0R9*--       | 0.9               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R0*---      | 1.0               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R1*---      | 1.1               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R2*---      | 1.2               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R3*---      | 1.3               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R4*---      | 1.4               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R5*---      | 1.5               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R6*---      | 1.6               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R7*---      | 1.7               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R8*---      | 1.8               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-1R9*---      | 1.9               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-2R0*---      | 2.0               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-2R1*---      | 2.1               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-2R2*---      | 2.2               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-2R4*---      | 2.4               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-2R7*---      | 2.7               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-3R0*---      | 3.0               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-3R3*---      | 3.3               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-3R6*---      | 3.6               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-3R9*---      | 3.9               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-4R3*---      | 4.3               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-4R7*---      | 4.7               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-5R1*---      | 5.1               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-5R6*---      | 5.6               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-6R2*---      | 6.2               | B, C, D               | BP                                  | 200/500 |
| CDR1-B-6R8*---      | 6.8               | B, C, J, K, M         | BP                                  | 200/500 |
| CDR1-B-7R5*---      | 7.5               | B, C, J, K, M         | BP                                  | 200/500 |
| CDR1-B-8R2*---      | 8.2               | B, C, J, K, M         | BP                                  | 200/500 |
| CDR1-B-9R1*---      | 9.1               | B, C, J, K, M         | BP                                  | 200/500 |
| CDR1-B-100*---      | 10                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-110*---      | 11                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-120*---      | 12                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-130*---      | 13                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-150*---      | 15                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-160*---      | 16                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-180*---      | 18                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-200*---      | 20                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-220*---      | 22                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-240*---      | 24                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-270*---      | 27                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-300*---      | 30                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-330*---      | 33                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-360*---      | 36                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-390*---      | 39                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-430*---      | 43                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-470*---      | 47                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-510*---      | 51                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-560*---      | 56                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-620*---      | 62                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-680*---      | 68                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-750*---      | 75                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-820*---      | 82                | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-910*---      | 91                | F, G, J, K, M         | BP                                  | 200/500 |

| Type Designation 1/ | Capacitance in pF | Capacitance tolerance | Rated temperature and V/Temperature | WVDC    |
|---------------------|-------------------|-----------------------|-------------------------------------|---------|
| CDR1-B-101*---      | 100               | F, G, J, K, M         | BP                                  | 200/500 |
| CDR1-B-111†---      | 110               | F, G, J, K, M         | BP                                  | 200/300 |
| CDR1-B-121†---      | 120               | F, G, J, K, M         | BP                                  | 200/300 |
| CDR1-B-131†---      | 130               | F, G, J, K, M         | BP                                  | 200/300 |
| CDR1-B-151†---      | 150               | F, G, J, K, M         | BP                                  | 200/300 |
| CDR1-B-161†---      | 160               | F, G, J, K, M         | BP                                  | 200/300 |
| CDR1-B-181†---      | 180               | F, G, J, K, M         | BP                                  | 200/300 |
| CDR1-B-201†---      | 200               | F, G, J, K, M         | BP                                  | 200/300 |
| CDR1-B-221C---      | 220               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-241C---      | 240               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-271C---      | 270               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-301C---      | 300               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-331C---      | 330               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-361C---      | 360               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-391C---      | 390               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-431C---      | 430               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-471C---      | 470               | F, G, J, K, M         | BP                                  | 200     |
| CDR1-B-511B---      | 510               | F, G, J, K, M         | BP                                  | 100     |
| CDR1-B-561B---      | 560               | F, G, J, K, M         | BP                                  | 100     |
| CDR1-B-621B---      | 620               | F, G, J, K, M         | BP                                  | 100     |
| CDR1-B-681A---      | 680               | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-751A---      | 750               | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-821A---      | 820               | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-911A---      | 910               | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-102A---      | 1000              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-112A---      | 1100              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-122A---      | 1200              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-132A---      | 1300              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-152A---      | 1500              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-162A---      | 1600              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-182A---      | 1800              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-202A---      | 2000              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-222A---      | 2200              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-242A---      | 2400              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-272A---      | 2700              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-302A---      | 3000              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-332A---      | 3300              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-362A---      | 3600              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-392A---      | 3900              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-432A---      | 4300              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-472A---      | 4700              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-502A---      | 5000              | F, G, J, K, M         | BP                                  | 50      |
| CDR1-B-512A---      | 5100              | F, G, J, K, M         | BP                                  | 50      |

1/Complete type designation will include additional symbols to indicate style, voltage-temperature limits, capacitance tolerance (where applicable), termination finish ("M" or "N" for style CDR13, and "S", "U", "W", "Y" or "Z" for style CDR14) and failure rate level.

\*C=200V; E=500V.

‡C=200V; D=300V.



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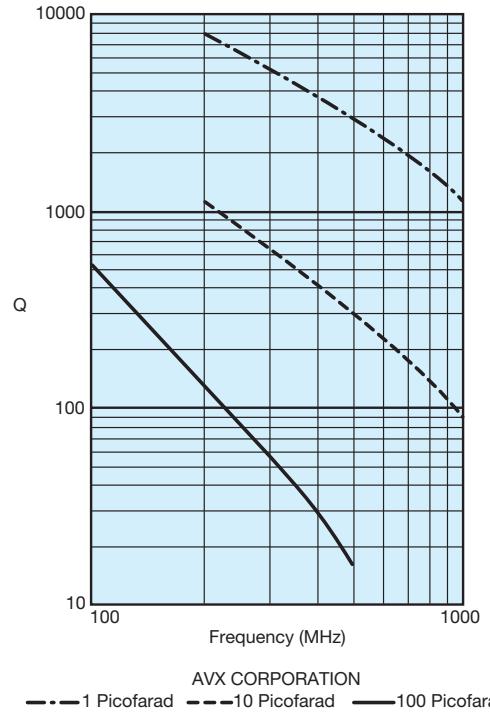
# RF/Microwave Capacitors

## RF/Microwave Multilayer Capacitors (MLC)

### Performance Curves

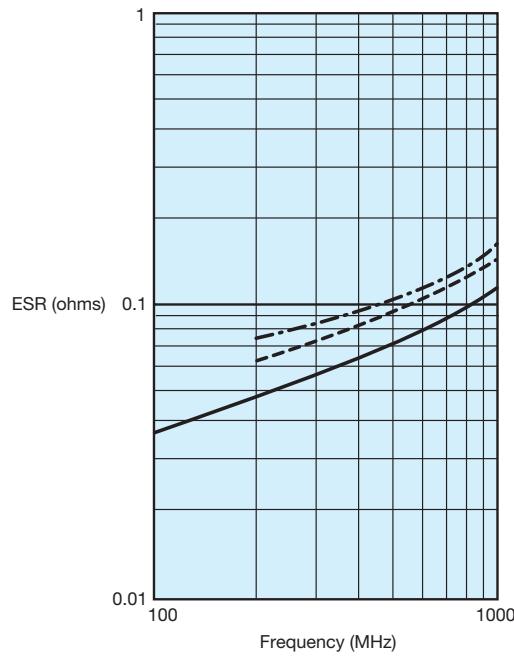


**TYPICAL Q vs. FREQUENCY**  
AQ11/12  
MIL-PRF-55681E - BG  
STANDARD - M



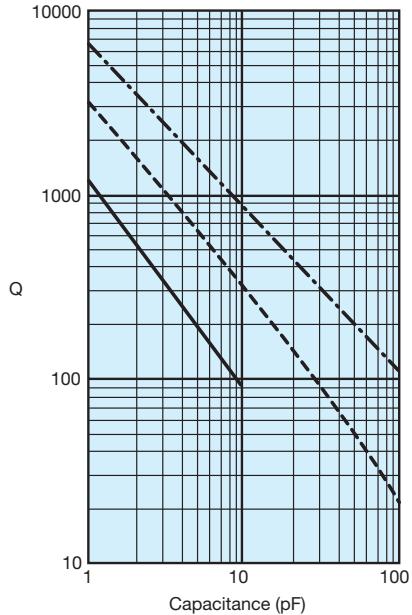
AVX CORPORATION  
 —— 1 Picofarad    - - - 10 Picofarad    — 100 Picofarad

**TYPICAL ESR vs. FREQUENCY**  
AQ11/12  
MIL-PRF-55681E - BG  
STANDARD - M



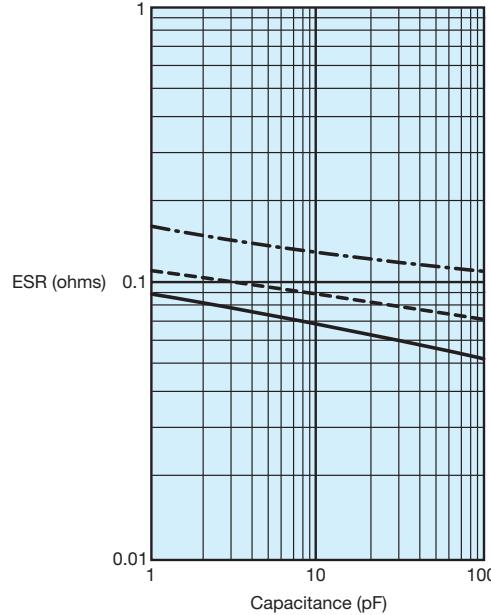
AVX CORPORATION  
 —— 250 MHz    - - - 500 MHz    — 1000 MHz

**TYPICAL Q vs. CAPACITANCE**  
AQ11/12  
MIL-PRF-55681E - BG  
STANDARD - M



AVX CORPORATION  
 —— 250 MHz    - - - 500 MHz    — 1000 MHz

**TYPICAL ESR vs. CAPACITANCE**  
AQ11/12  
MIL-PRF-55681E - BG  
STANDARD - M



AVX CORPORATION  
 —— 250 MHz    - - - 500 MHz    — 1000 MHz

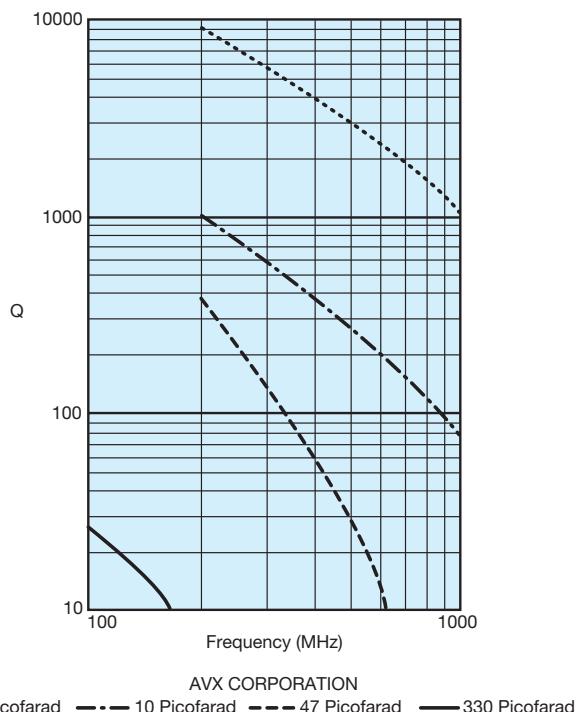
# RF/Microwave Capacitors

## RF/Microwave Multilayer Capacitors (MLC)

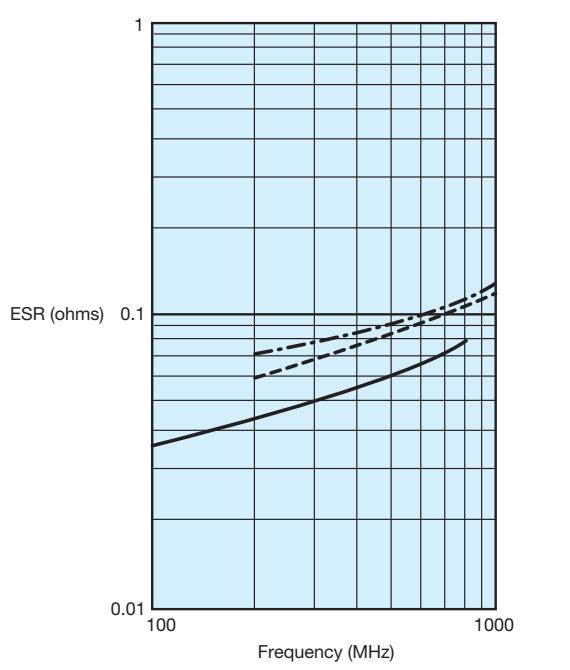
### Performance Curves



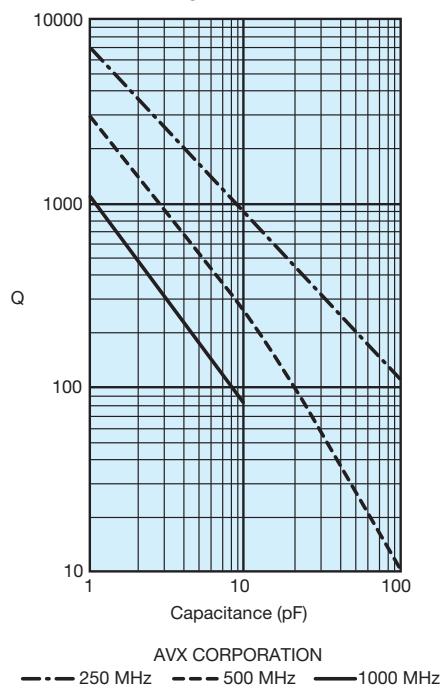
**TYPICAL Q vs. FREQUENCY**  
AQ13/14  
MIL-PRF-55681E - BG  
STANDARD - M



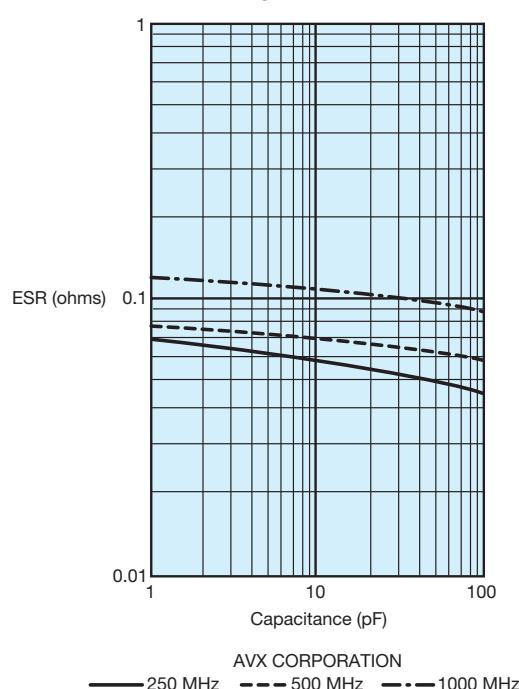
**TYPICAL ESR vs. FREQUENCY**  
AQ13/14  
MIL-PRF-55681E - BG  
STANDARD - M



**TYPICAL Q vs. CAPACITANCE**  
AQ13/14  
MIL-PRF-55681E - BG  
STANDARD - M



**TYPICAL ESR vs. CAPACITANCE**  
AQ13/14  
MIL-PRF-55681E - BG  
STANDARD - M

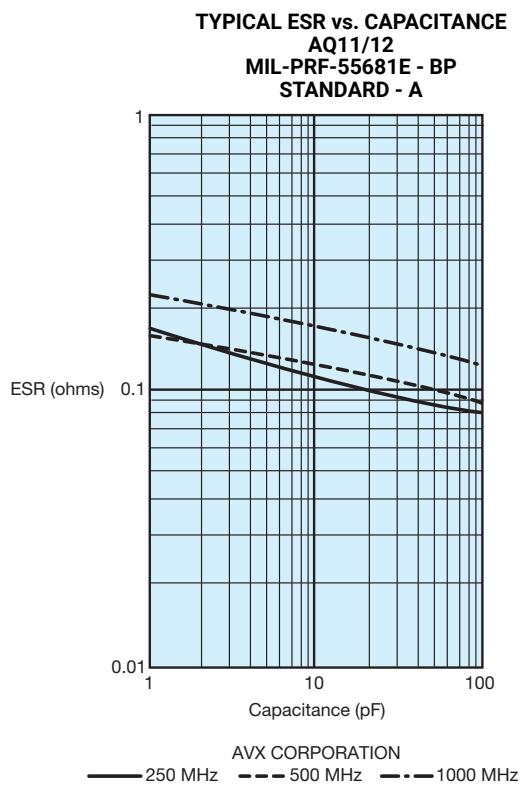
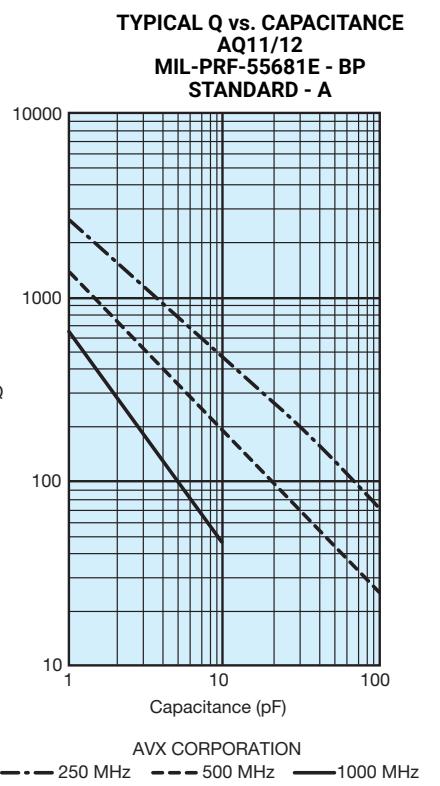
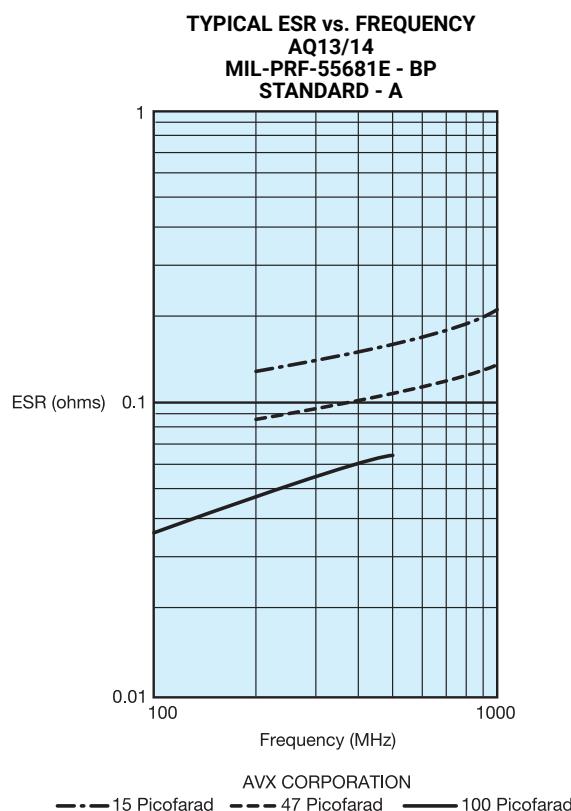
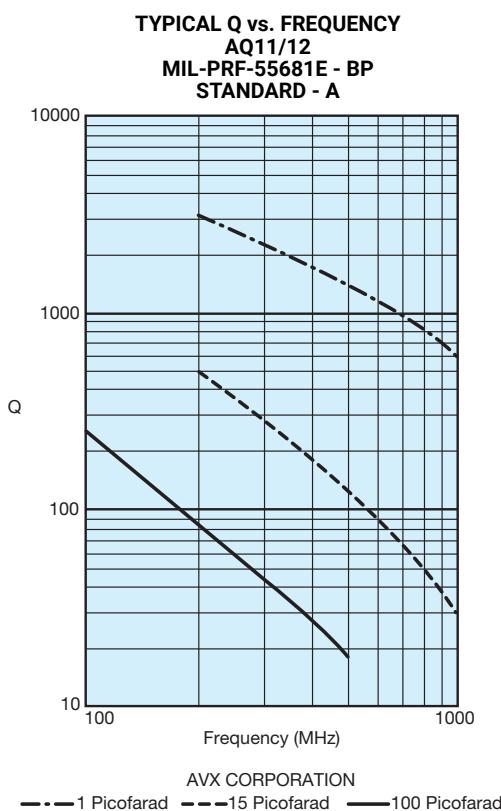


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# RF/Microwave Capacitors

## RF/Microwave Multilayer Capacitors (MLC)

### Performance Curves



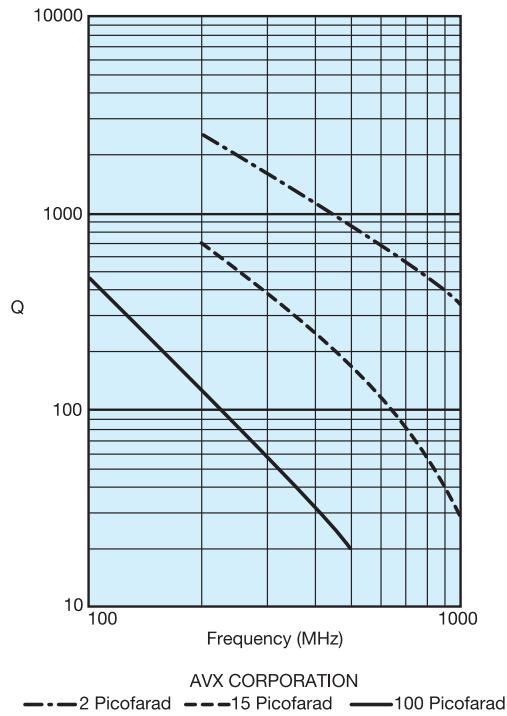
# RF/Microwave Capacitors

## RF/Microwave Multilayer Capacitors (MLC)

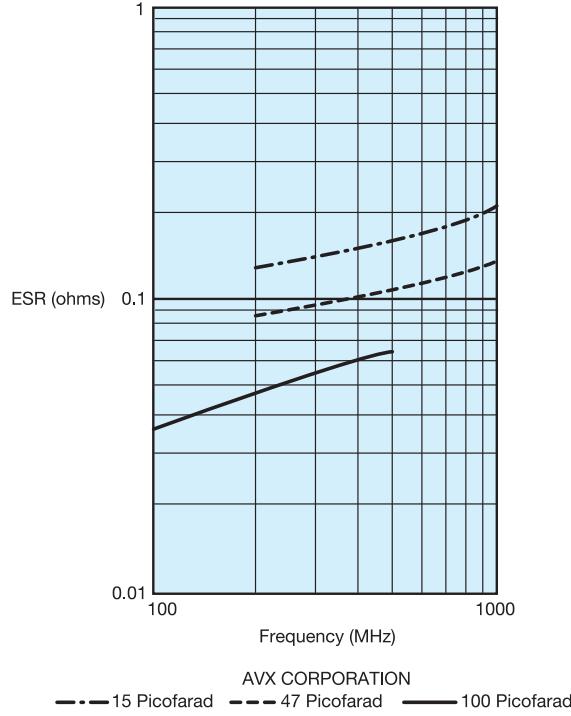
### Performance Curves



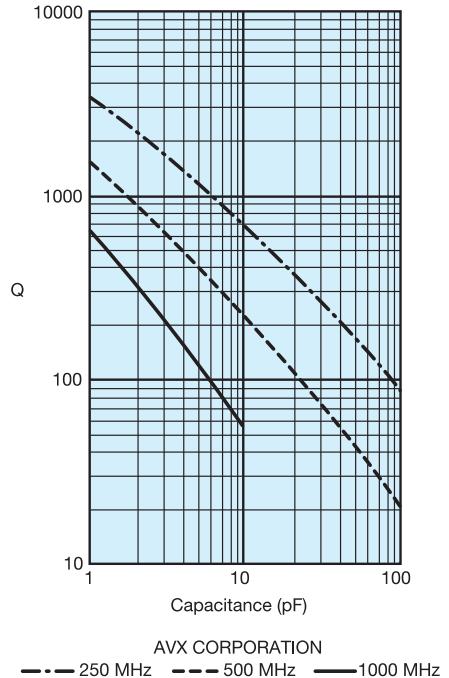
**TYPICAL Q vs. FREQUENCY**  
AQ13/14  
MIL-PRF-55681E - BP  
STANDARD - A



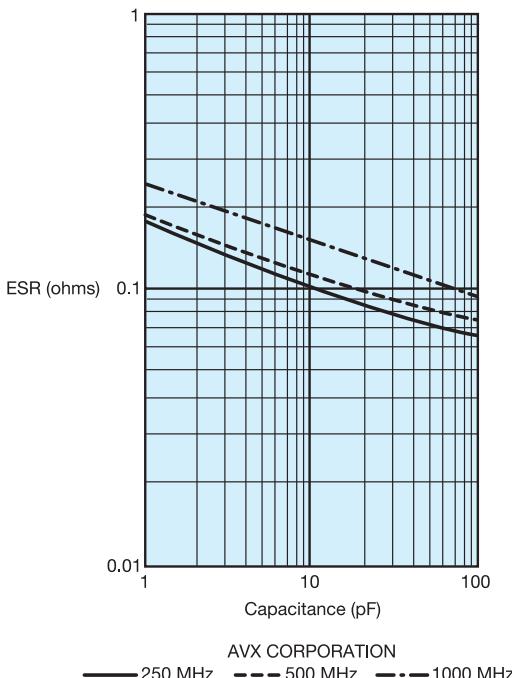
**TYPICAL ESR vs. FREQUENCY**  
AQ13/14  
MIL-PRF-55681E - BP  
STANDARD - A



**TYPICAL Q vs. CAPACITANCE**  
AQ13/14  
MIL-PRF-55681E - BP  
STANDARD - A



**TYPICAL ESR vs. CAPACITANCE**  
AQ13/14  
MIL-PRF-55681E - BP  
STANDARD - A



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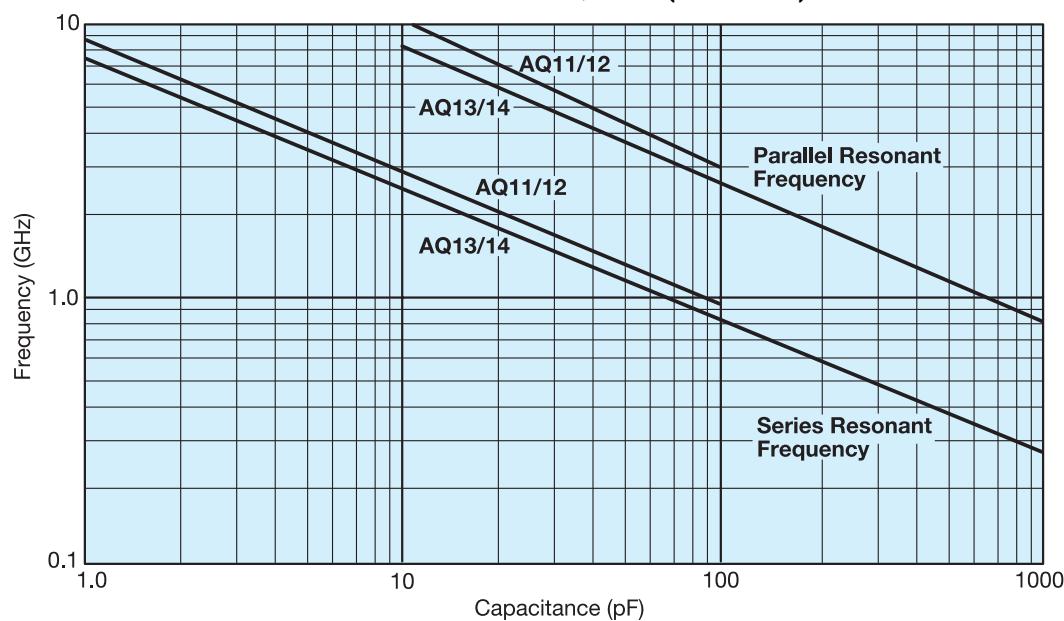
# RF/Microwave Capacitors

## RF/Microwave Multilayer Capacitors (MLC)

### Performance Curves



TYPICAL RESONANT FREQUENCY vs. CAPACITANCE  
AVX AQ11-14 (CDR11-14)



TYPICAL RESONANT FREQUENCY vs. CAPACITANCE AVX 0603

