

# Microwave MLC's



AQ Series Available Capacitance/Size/WVDC/T.C.

**TABLE II: TC: A (0±30PPM/°C)  
CASE SIZE 11, 12, 13 & 14**

**DIMENSIONS:** inches (millimeters)

Case	Length	Width	Thickness	Band Width	Avail. Term.
11	.055±.015 (1.40±.381)	.055±.015 (1.40±.381)	.020/.057 (.508/1.45)	.010 +.010 -.005 (.254 +.254 -.127)	1 & 7
12	.055±.025 (1.40±.635)	.055±.015 (1.40±.381)	.020/.057 (.508/1.45)	.010 +.010 -.005 (.254 +.254 -.127)	J
13	.110±.020 (2.79±.508)	.110±.020 (2.79±.508)	.030/.102 (.762/2.59)	.015±.010 (.381±.254)	1 & 7
14	.110 +0.035 -0.020 (2.79 +.889 -.508)	.110±.020 (2.79±.508)	.030/.102 (.762/2.59)	.015±.010 (.381±.254)	J

Case: AQ11, AQ12					
Cap. pF	Cap. Tol.	WVDC	Cap. pF	Cap. Tol.	WVDC
0.1	B	150	24	F, G, J, K, M	150
0.2	B	150	27	F, G, J, K, M	150
0.3	B,C	150	30	F, G, J, K, M	150
0.4	B,C	150	33	F, G, J, K, M	150
0.5	B, C, D	150	36	F, G, J, K, M	150
0.6	B, C, D	150	39	F, G, J, K, M	150
0.7	B, C, D	150	43	F, G, J, K, M	150
0.8	B, C, D	150	47	F, G, J, K, M	150
0.9	B, C, D	150	51	F, G, J, K, M	150
1.0	B, C, D	150	56	F, G, J, K, M	150
1.1	B, C, D	150	62	F, G, J, K, M	150
1.2	B, C, D	150	68	F, G, J, K, M	150
1.3	B, C, D	150	75	F, G, J, K, M	150
1.4	B, C, D	150	82	F, G, J, K, M	150
1.5	B, C, D	150	91	F, G, J, K, M	150
1.6	B, C, D	150	100	F, G, J, K, M	150
1.7	B, C, D	150	110	F, G, J, K, M	50
1.8	B, C, D	150	120	F, G, J, K, M	50
1.9	B, C, D	150	130	F, G, J, K, M	50
2.0	B, C, D	150	150	F, G, J, K, M	50
2.2	B, C, D	150	160	F, G, J, K, M	50
2.4	B, C, D	150	180	F, G, J, K, M	50
2.7	B, C, D	150	200	F, G, J, K, M	50
3.0	B, C, D	150	220	F, G, J, K, M	50
3.3	B, C, D	150	240	F, G, J, K, M	50
3.6	B, C, D	150	270	F, G, J, K, M	50
3.9	B, C, D	150	300	F, G, J, K, M	50
4.3	B, C, D	150	330	F, G, J, K, M	50
4.7	B, C, D	150	360	F, G, J, K, M	50
5.1	B, C, D	150	390	F, G, J, K, M	50
5.6	B, C, D	150	430	F, G, J, K, M	50
6.2	B, C, D	150	470	F, G, J, K, M	50
6.8	B, C, J, K, M	150	510	F, G, J, K, M	50
7.5	B, C, J, K, M	150	560	F, G, J, K, M	50
8.2	B, C, J, K, M	150	620	F, G, J, K, M	50
9.1	B, C, J, K, M	150	680	F, G, J, K, M	50
10	F, G, J, K, M	150	750	F, G, J, K, M	50
11	F, G, J, K, M	150	820	F, G, J, K, M	50
12	F, G, J, K, M	150	910	F, G, J, K, M	50
13	F, G, J, K, M	150	1000	F, G, J, K, M	50
15	F, G, J, K, M	150			
16	F, G, J, K, M	150			
18	F, G, J, K, M	150			
20	F, G, J, K, M	150			
22	F, G, J, K, M	150			

Case: AQ13, AQ14					
Cap. pF	Cap. Tol.	WVDC	Cap. pF	Cap. Tol.	WVDC
0.1	B	500	51	F, G, J, K, M	500
0.2	B	500	56	F, G, J, K, M	500
0.3	B,C	500	62	F, G, J, K, M	500
0.4	B,C	500	68	F, G, J, K, M	500
0.5	B, C, D	500	75	F, G, J, K, M	500
0.6	B, C, D	500	82	F, G, J, K, M	500
0.7	B, C, D	500	91	F, G, J, K, M	500
0.8	B, C, D	500	100	F, G, J, K, M	500
0.9	B, C, D	500	110	F, G, J, K, M	300
1.0	B, C, D	500	120	F, G, J, K, M	300
1.1	B, C, D	500	130	F, G, J, K, M	300
1.2	B, C, D	500	150	F, G, J, K, M	300
1.3	B, C, D	500	160	F, G, J, K, M	300
1.4	B, C, D	500	180	F, G, J, K, M	300
1.5	B, C, D	500	200	F, G, J, K, M	300
1.6	B, C, D	500	220	F, G, J, K, M	200
1.7	B, C, D	500	240	F, G, J, K, M	200
1.8	B, C, D	500	270	F, G, J, K, M	200
1.9	B, C, D	500	300	F, G, J, K, M	200
2.0	B, C, D	500	330	F, G, J, K, M	200
2.2	B, C, D	500	360	F, G, J, K, M	200
2.4	B, C, D	500	390	F, G, J, K, M	200
2.7	B, C, D	500	430	F, G, J, K, M	200
3.0	B, C, D	500	470	F, G, J, K, M	200
3.3	B, C, D	500	510	F, G, J, K, M	150
3.6	B, C, D	500	560	F, G, J, K, M	150
3.9	B, C, D	500	620	F, G, J, K, M	150
4.3	B, C, D	500	680	F, G, J, K, M	150
4.7	B, C, D	500	750	F, G, J, K, M	150
5.1	B, C, D	500	820	F, G, J, K, M	150
5.6	B, C, D	500	910	F, G, J, K, M	150
6.2	B, C, D	500	1000	F, G, J, K, M	150
6.8	B, C, J, K, M	500	1100	F, G, J, K, M	50
7.5	B, C, J, K, M	500	1200	F, G, J, K, M	50
8.2	B, C, J, K, M	500	1300	F, G, J, K, M	50
9.1	B, C, J, K, M	500	1500	F, G, J, K, M	50
10	F, G, J, K, M	500	1600	F, G, J, K, M	50
11	F, G, J, K, M	500	1800	F, G, J, K, M	50
12	F, G, J, K, M	500	2000	F, G, J, K, M	50
13	F, G, J, K, M	500	2200	F, G, J, K, M	50
15	F, G, J, K, M	500	2400	F, G, J, K, M	50
16	F, G, J, K, M	500	2700	F, G, J, K, M	50
18	F, G, J, K, M	500	3000	F, G, J, K, M	50
20	F, G, J, K, M	500	3300	F, G, J, K, M	50
22	F, G, J, K, M	500	3600	F, G, J, K, M	50
24	F, G, J, K, M	500	3900	F, G, J, K, M	50
27	F, G, J, K, M	500	4300	F, G, J, K, M	50
30	F, G, J, K, M	500	4700	F, G, J, K, M	50
33	F, G, J, K, M	500	5000	F, G, J, K, M	50
36	F, G, J, K, M	500	5100	F, G, J, K, M	50
39	F, G, J, K, M	500			
43	F, G, J, K, M	500			
47	F, G, J, K, M	500			

**TABLE III: TC: C (±15%) CASE SIZE 12 & 14**

Case: AQ12									Case: AQ14								
Cap. pF	Cap. Tol.	WVDC	Cap. pF	Cap. Tol.	WVDC	Cap. pF	Cap. Tol.	WVDC	Cap. pF	Cap. Tol.	WVDC	Cap. pF	Cap. Tol.	WVDC	Cap. pF	Cap. Tol.	WVDC
1000	K, M, N	50	2200	K, M, N	50	5100	K, M, N	50	5000	K, M, N	50	15000	K, M, N	50	47000	K, M, N	50
1200	K, M, N	50	2700	K, M, N	50	5600	K, M, N	50	6800	K, M, N	50	18000	K, M, N	50	68000	K, M, N	50
1500	K, M, N	50	3300	K, M, N	50	6800	K, M, N	50	8200	K, M, N	50	27000	K, M, N	50	82000	K, M, N	50
1800	K, M, N	50	3900	K, M, N	50	8200	K, M, N	50	10000	K, M, N	50	33000	K, M, N	50	100000	K, M, N	50
2000	K, M, N	50	4700	K, M, N	50	10000	K, M, N	50	12000	K, M, N	50	39000	K, M, N	50			

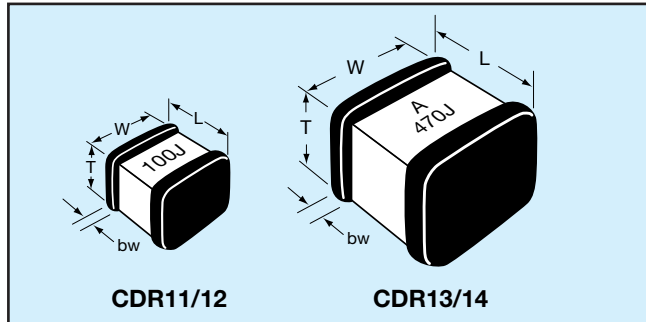


# Microwave MLC's



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

### MILITARY DESIGNATION PER MIL-PRF-55681



### 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 (1.40±.381)	.055±.015 (1.40±.381)	.057 (1.45)	.020 (.508)	.020 (.508)	.005 (.127)
CDR12	AQ12	.055±.025 (1.40±.635)	.055±.015 (1.40±.381)	.057 (1.45)	.020 (.508)	.020 (.508)	.005 (.127)
CDR13	AQ13	.110±.020 (2.79±.508)	.110±.020 (2.79±.508)	.102 (2.59)	.030 (.762)	.025 (.635)	.005 (.127)
CDR14	AQ14	.110 +.035 -0.020 (2.79 +.889 -.508)	.110±.020 (2.79±.508)	.102 (2.59)	.030 (.762)	.025 (.635)	.005 (.127)

### HOW TO ORDER

**CDR12**

**MIL Style**  
CDR11, CDR12,  
CDR13, CDR14

**BG**

**Voltage Temperature Limits**

BG = +90±20 ppm/°C with and without rated voltage from -55°C to +125°C  
BP = 0±30ppm/°C with and without rated voltage from -55°C to +125°C

**101**

**Capacitance**

EIA Capacitance Code in pF.  
First two digits = significant figures or "R" for decimal place.  
Third digit = number of zeros or after "R" significant figures.

**A**

**Rated Voltage Code**

A = 50V  
B = 100V  
C = 200V  
D = 300V  
E = 500V

**K**

**Capacitance Tolerance Code**

B = ±.1 pF  
C = ±.25 pF  
D = ±.5 pF  
F = ±1%  
G = ±2%  
J = ±5%  
K = ±10%  
M = ±20%

**U**

**Termination Finish (Military Designations) Code**

M = Palladium silver  
N = Silver-nickel-gold  
S = Solder coated final with a minimum of 4 percent lead  
T = Silver  
U = Base metallization-barrier metal-solder coated (tin/lead alloy, with a minimum of 4 percent lead)  
W = Base metallization-barrier metal-tinned (tin or tin/lead alloy)  
Y = Base metallization-barrier metal-tin (100 percent)  
Z = Base metallization-barrier metal-tinned (tin/lead alloy, with a minimum of 4 percent lead)  
\*See MIL-PRF-55681 Specification for more details

**S**

**Failure Rate Level**

M = 1.0%  
P = .1%  
R = .01%  
S = .001%

### 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

**Not RoHS Compliant**



For RoHS compliant products, please select correct termination style.



# Microwave MLC's



## 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	Type Designation 1/	Capacitance in pF	Capacitance tolerance	Rated temperature and V/Temperature	WVDC
CDR1 -B-0R1AB--	0.1	B	BG, BP	50	CDR1 -B-300A---	30	F, G, J, K, M	BG, BP	50
CDR1 -B-0R2AB--	0.2	B	BG, BP	50	CDR1 -B-330A---	33	F, G, J, K, M	BG, BP	50
CDR1 -B-0R3A---	0.3	B, C	BG, BP	50	CDR1 -B-360A---	36	F, G, J, K, M	BG, BP	50
CDR1 -B-0R4A---	0.4	B, C	BG, BP	50	CDR1 -B-390A---	39	F, G, J, K, M	BG, BP	50
CDR1 -B-0R5A---	0.5	B, C, D	BG, BP	50	CDR1 -B-430A---	43	F, G, J, K, M	BG, BP	50
CDR1 -B-0R6A---	0.6	B, C, D	BG, BP	50	CDR1 -B-470A---	47	F, G, J, K, M	BG, BP	50
CDR1 -B-0R7A---	0.7	B, C, D	BG, BP	50	CDR1 -B-510A---	51	F, G, J, K, M	BG, BP	50
CDR1 -B-0R8A---	0.8	B, C, D	BG, BP	50	CDR1 -B-560A---	56	F, G, J, K, M	BG, BP	50
CDR1 -B-0R9A---	0.9	B, C, D	BG, BP	50	CDR1 -B-620A---	62	F, G, J, K, M	BG, BP	50
CDR1 -B-1R0A---	1.0	B, C, D	BG, BP	50	CDR1 -B-680A---	68	F, G, J, K, M	BG, BP	50
CDR1 -B-1R1A---	1.1	B, C, D	BG, BP	50	CDR1 -B-750A---	75	F, G, J, K, M	BG, BP	50
CDR1 -B-1R2A---	1.2	B, C, D	BG, BP	50	CDR1 -B-820A---	82	F, G, J, K, M	BG, BP	50
CDR1 -B-1R3A---	1.3	B, C, D	BG, BP	50	CDR1 -B-910A---	91	F, G, J, K, M	BG, BP	50
CDR1 -B-1R4A---	1.4	B, C, D	BG, BP	50	CDR1 -B-101A---	100	F, G, J, K, M	BG, BP	50
CDR1 -B-1R5A---	1.5	B, C, D	BG, BP	50	CDR1 -B-111A---	110	F, G, J, K, M	BP	50
CDR1 -B-1R6A---	1.6	B, C, D	BG, BP	50	CDR1 -B-121A---	120	F, G, J, K, M	BP	50
CDR1 -B-1R7A---	1.7	B, C, D	BG, BP	50	CDR1 -B-131A---	130	F, G, J, K, M	BP	50
CDR1 -B-1R8A---	1.8	B, C, D	BG, BP	50	CDR1 -B-151A---	150	F, G, J, K, M	BP	50
CDR1 -B-1R9A---	1.9	B, C, D	BG, BP	50	CDR1 -B-161A---	160	F, G, J, K, M	BP	50
CDR1 -B-2R0A---	2.0	B, C, D	BG, BP	50	CDR1 -B-181A---	180	F, G, J, K, M	BP	50
CDR1 -B-2R1A---	2.1	B, C, D	BG, BP	50	CDR1 -B-201A---	200	F, G, J, K, M	BP	50
CDR1 -B-2R2A---	2.2	B, C, D	BG, BP	50	CDR1 -B-221A---	220	F, G, J, K, M	BP	50
CDR1 -B-2R4A---	2.4	B, C, D	BG, BP	50	CDR1 -B-241A---	240	F, G, J, K, M	BP	50
CDR1 -B-2R7A---	2.7	B, C, D	BG, BP	50	CDR1 -B-271A---	270	F, G, J, K, M	BP	50
CDR1 -B-3R0A---	3.0	B, C, D	BG, BP	50	CDR1 -B-301A---	300	F, G, J, K, M	BP	50
CDR1 -B-3R3A---	3.3	B, C, D	BG, BP	50	CDR1 -B-331A---	330	F, G, J, K, M	BP	50
CDR1 -B-3R6A---	3.6	B, C, D	BG, BP	50	CDR1 -B-361A---	360	F, G, J, K, M	BP	50
CDR1 -B-3R9A---	3.9	B, C, D	BG, BP	50	CDR1 -B-391A---	390	F, G, J, K, M	BP	50
CDR1 -B-4R3A---	4.3	B, C, D	BG, BP	50	CDR1 -B-431A---	430	F, G, J, K, M	BP	50
CDR1 -B-4R7A---	4.7	B, C, D	BG, BP	50	CDR1 -B-471A---	470	F, G, J, K, M	BP	50
CDR1 -B-5R1A---	5.1	B, C, D	BG, BP	50	CDR1 -B-511A---	510	F, G, J, K, M	BP	50
CDR1 -B-5R6A---	5.6	B, C, D	BG, BP	50	CDR1 -B-561A---	560	F, G, J, K, M	BP	50
CDR1 -B-6R2A---	6.2	B, C, D	BG, BP	50	CDR1 -B-621A---	620	F, G, J, K, M	BP	50
CDR1 -B-6R8A---	6.8	B, C, J, K, M	BG, BP	50	CDR1 -B-681A---	680	F, G, J, K, M	BP	50
CDR1 -B-7R5A---	7.5	B, C, J, K, M	BG, BP	50	CDR1 -B-751A---	750	F, G, J, K, M	BP	50
CDR1 -B-8R2A---	8.2	B, C, J, K, M	BG, BP	50	CDR1 -B-821A---	820	F, G, J, K, M	BP	50
CDR1 -B-9R1A---	9.1	B, C, J, K, M	BG, BP	50	CDR1 -B-911A---	910	F, G, J, K, M	BP	50
CDR1 -B-100A---	10	F, G, J, K, M	BG, BP	50	CDR1 -B-102A---	1000	F, G, J, K, M	BP	50
CDR1 -B-110A---	11	F, G, J, K, M	BG, BP	50					
CDR1 -B-120A---	12	F, G, J, K, M	BG, BP	50					
CDR1 -B-130A---	13	F, G, J, K, M	BG, BP	50					
CDR1 -B-150A---	15	F, G, J, K, M	BG, BP	50					
CDR1 -B-160A---	16	F, G, J, K, M	BG, BP	50					
CDR1 -B-180A---	18	F, G, J, K, M	BG, BP	50					
CDR1 -B-200A---	20	F, G, J, K, M	BG, BP	50					
CDR1 -B-220A---	22	F, G, J, K, M	BG, BP	50					
CDR1 -B-240A---	24	F, G, J, K, M	BG, BP	50					
CDR1 -B-270A---	27	F, G, J, K, M	BG, 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.

# Microwave MLC's



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

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

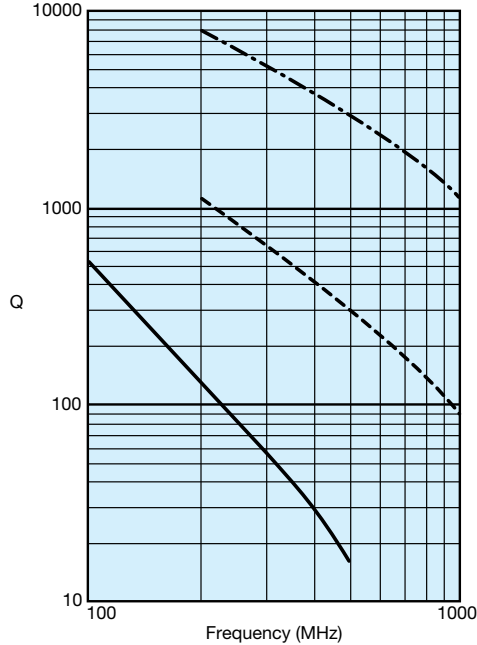
Type Designation 1/	Capacitance in pF	Capacitance tolerance	Rated temperature and V/Temperature	WVDC	Type Designation 1/	Capacitance in pF	Capacitance tolerance	Rated temperature and V/Temperature	WVDC
CDR1 -B-0R1*B--	0.1	B	BG, BP	200/500	CDR1 -B-560*--	56	F, G, J, K, M	BG, BP	200/500
CDR1 -B-0R2*B--	0.2	B	BG, BP	200/500	CDR1 -B-620*--	62	F, G, J, K, M	BG, BP	200/500
CDR1 -B-0R3*--	0.3	B, C	BG, BP	200/500	CDR1 -B-680*--	68	F, G, J, K, M	BG, BP	200/500
CDR1 -B-0R4*--	0.4	B, C	BG, BP	200/500	CDR1 -B-750*--	75	F, G, J, K, M	BG, BP	200/500
CDR1 -B-0R5*--	0.5	B, C, D	BG, BP	200/500	CDR1 -B-820*--	82	F, G, J, K, M	BG, BP	200/500
CDR1 -B-0R6*--	0.6	B, C, D	BG, BP	200/500	CDR1 -B-910*--	91	F, G, J, K, M	BG, BP	200/500
CDR1 -B-0R7*--	0.7	B, C, D	BG, BP	200/500	CDR1 -B-101*--	100	F, G, J, K, M	BG, BP	200/500
CDR1 -B-0R8*--	0.8	B, C, D	BG, BP	200/500	CDR1 -B-111‡--	110	F, G, J, K, M	BG, BP	200/300
CDR1 -B-0R9*--	0.9	B, C, D	BG, BP	200/500	CDR1 -B-121‡--	120	F, G, J, K, M	BG, BP	200/300
CDR1 -B-1R0*--	1.0	B, C, D	BG, BP	200/500	CDR1 -B-131‡--	130	F, G, J, K, M	BG, BP	200/300
CDR1 -B-1R1*--	1.1	B, C, D	BG, BP	200/500	CDR1 -B-151‡--	150	F, G, J, K, M	BG, BP	200/300
CDR1 -B-1R2*--	1.2	B, C, D	BG, BP	200/500	CDR1 -B-161‡--	160	F, G, J, K, M	BG, BP	200/300
CDR1 -B-1R3*--	1.3	B, C, D	BG, BP	200/500	CDR1 -B-181‡--	180	F, G, J, K, M	BG, BP	200/300
CDR1 -B-1R4*--	1.4	B, C, D	BG, BP	200/500	CDR1 -B-201‡--	200	F, G, J, K, M	BG, BP	200/300
CDR1 -B-1R5*--	1.5	B, C, D	BG, BP	200/500	CDR1 -B-221C--	220	F, G, J, K, M	BG, BP	200
CDR1 -B-1R6*--	1.6	B, C, D	BG, BP	200/500	CDR1 -B-241C--	240	F, G, J, K, M	BG, BP	200
CDR1 -B-1R7*--	1.7	B, C, D	BG, BP	200/500	CDR1 -B-271C--	270	F, G, J, K, M	BG, BP	200
CDR1 -B-1R8*--	1.8	B, C, D	BG, BP	200/500	CDR1 -B-301C--	300	F, G, J, K, M	BG, BP	200
CDR1 -B-1R9*--	1.9	B, C, D	BG, BP	200/500	CDR1 -B-331C--	330	F, G, J, K, M	BG, BP	200
CDR1 -B-2R0*--	2.0	B, C, D	BG, BP	200/500	CDR1 -B-361C--	360	F, G, J, K, M	BG, BP	200
CDR1 -B-2R1*--	2.1	B, C, D	BG, BP	200/500	CDR1 -B-391C--	390	F, G, J, K, M	BG, BP	200
CDR1 -B-2R2*--	2.2	B, C, D	BG, BP	200/500	CDR1 -B-431C--	430	F, G, J, K, M	BG, BP	200
CDR1 -B-2R4*--	2.4	B, C, D	BG, BP	200/500	CDR1 -B-471C--	470	F, G, J, K, M	BG, BP	200
CDR1 -B-2R7*--	2.7	B, C, D	BG, BP	200/500	CDR1 -B-511B--	510	F, G, J, K, M	BG, BP	100
CDR1 -B-3R0*--	3.0	B, C, D	BG, BP	200/500	CDR1 -B-561B--	560	F, G, J, K, M	BG, BP	100
CDR1 -B-3R3*--	3.3	B, C, D	BG, BP	200/500	CDR1 -B-621B--	620	F, G, J, K, M	BG, BP	100
CDR1 -B-3R6*--	3.6	B, C, D	BG, BP	200/500	CDR1 -B-681A--	680	F, G, J, K, M	BG, BP	50
CDR1 -B-3R9*--	3.9	B, C, D	BG, BP	200/500	CDR1 -B-751A--	750	F, G, J, K, M	BG, BP	50
CDR1 -B-4R3*--	4.3	B, C, D	BG, BP	200/500	CDR1 -B-821A--	820	F, G, J, K, M	BG, BP	50
CDR1 -B-4R7*--	4.7	B, C, D	BG, BP	200/500	CDR1 -B-911A--	910	F, G, J, K, M	BG, BP	50
CDR1 -B-5R1*--	5.1	B, C, D	BG, BP	200/500	CDR1 -B-102A--	1000	F, G, J, K, M	BG, BP	50
CDR1 -B-5R6*--	5.6	B, C, D	BG, BP	200/500	CDR1 -B-112A--	1100	F, G, J, K, M	BP	50
CDR1 -B-6R2*--	6.2	B, C, D	BG, BP	200/500	CDR1 -B-122A--	1200	F, G, J, K, M	BP	50
CDR1 -B-6R8*--	6.8	B, C, J, K, M	BG, BP	200/500	CDR1 -B-132A--	1300	F, G, J, K, M	BP	50
CDR1 -B-7R5*--	7.5	B, C, J, K, M	BG, BP	200/500	CDR1 -B-152A--	1500	F, G, J, K, M	BP	50
CDR1 -B-8R2*--	8.2	B, C, J, K, M	BG, BP	200/500	CDR1 -B-162A--	1600	F, G, J, K, M	BP	50
CDR1 -B-9R1*--	9.1	B, C, J, K, M	BG, BP	200/500	CDR1 -B-182A--	1800	F, G, J, K, M	BP	50
CDR1 -B-100*--	10	F, G, J, K, M	BG, BP	200/500	CDR1 -B-202A--	2000	F, G, J, K, M	BP	50
CDR1 -B-110*--	11	F, G, J, K, M	BG, BP	200/500	CDR1 -B-222A--	2200	F, G, J, K, M	BP	50
CDR1 -B-120*--	12	F, G, J, K, M	BG, BP	200/500	CDR1 -B-242A--	2400	F, G, J, K, M	BP	50
CDR1 -B-130*--	13	F, G, J, K, M	BG, BP	200/500	CDR1 -B-272A--	2700	F, G, J, K, M	BP	50
CDR1 -B-150*--	15	F, G, J, K, M	BG, BP	200/500	CDR1 -B-302A--	3000	F, G, J, K, M	BP	50
CDR1 -B-160*--	16	F, G, J, K, M	BG, BP	200/500	CDR1 -B-332A--	3300	F, G, J, K, M	BP	50
CDR1 -B-180*--	18	F, G, J, K, M	BG, BP	200/500	CDR1 -B-362A--	3600	F, G, J, K, M	BP	50
CDR1 -B-200*--	20	F, G, J, K, M	BG, BP	200/500	CDR1 -B-392A--	3900	F, G, J, K, M	BP	50
CDR1 -B-220*--	22	F, G, J, K, M	BG, BP	200/500	CDR1 -B-432A--	4300	F, G, J, K, M	BP	50
CDR1 -B-240*--	24	F, G, J, K, M	BG, BP	200/500	CDR1 -B-472A--	4700	F, G, J, K, M	BP	50
CDR1 -B-270*--	27	F, G, J, K, M	BG, BP	200/500	CDR1 -B-502A--	5000	F, G, J, K, M	BP	50
CDR1 -B-300*--	30	F, G, J, K, M	BG, BP	200/500	CDR1 -B-512A--	5100	F, G, J, K, M	BP	50
CDR1 -B-330*--	33	F, G, J, K, M	BG, BP	200/500					
CDR1 -B-360*--	36	F, G, J, K, M	BG, BP	200/500					
CDR1 -B-390*--	39	F, G, J, K, M	BG, BP	200/500					
CDR1 -B-430*--	43	F, G, J, K, M	BG, BP	200/500					
CDR1 -B-470*--	47	F, G, J, K, M	BG, BP	200/500					
CDR1 -B-510*--	51	F, G, J, K, M	BG, BP	200/500					

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.

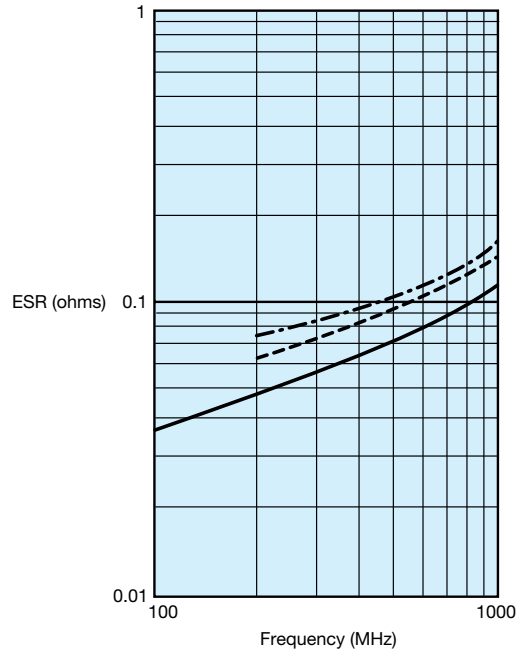
‡C=200V; D=300V.

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



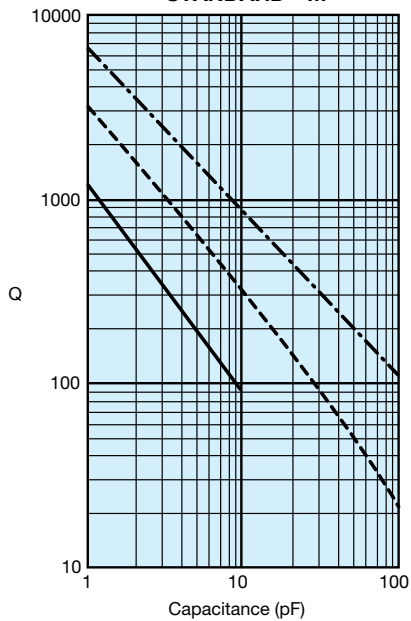
AVX CORPORATION  
 - - - 1 Picofarad - - - 10 Picofarad — 100 Picofarad

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



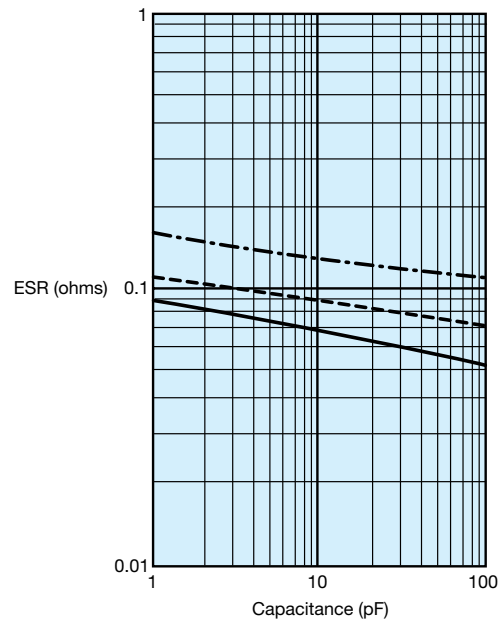
AVX CORPORATION  
 - - - 3.3 Picofarad - - - 10 Picofarad — 100 Picofarad

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

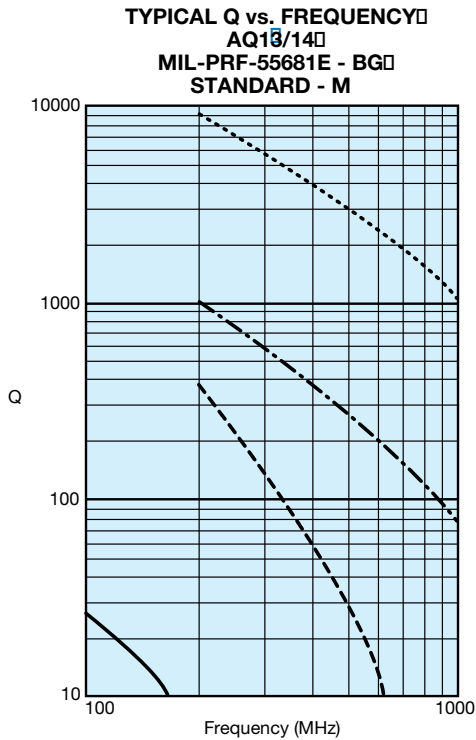


AVX CORPORATION  
 - - - 250 MHz - - - 500 MHz — 1000 MHz

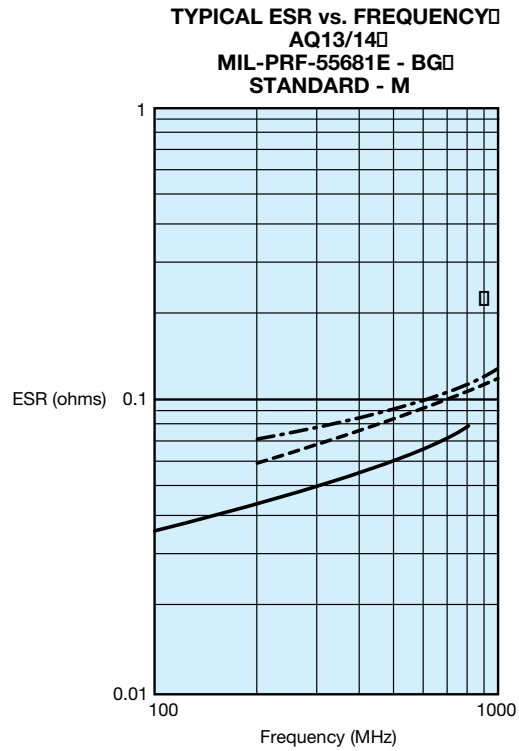
**TYPICAL ESR vs. CAPACITANCE**  
 AQ11/12  
 MIL-PRF-55681E - BG  
 STANDARD - M



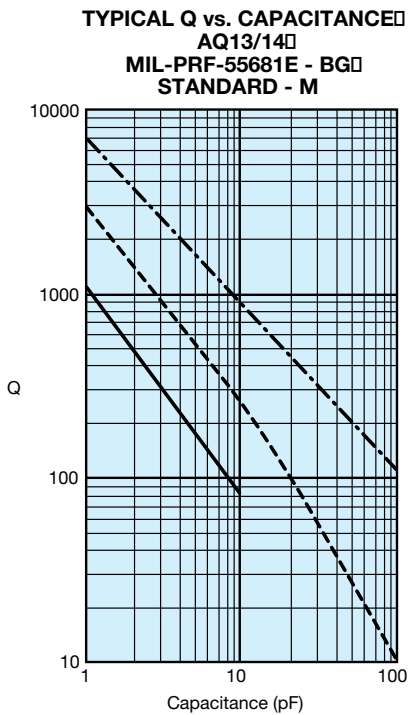
AVX CORPORATION  
 — 250 MHz - - - 500 MHz - - - 1000 MHz



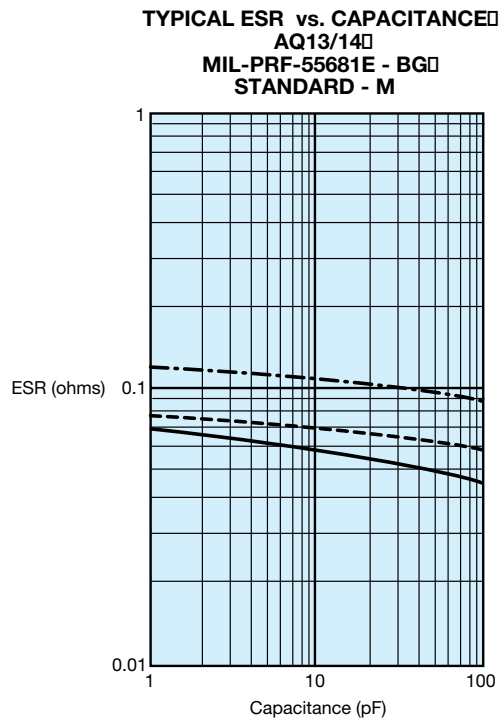
AVX CORPORATION  
 ..... 1 Picofarad    -.-.- 10 Picofarad    - - - 47 Picofarad    — 330 Picofarad



AVX CORPORATION  
 ..... 1 Picofarad    - - - 15 Picofarad    — 100 Picofarad

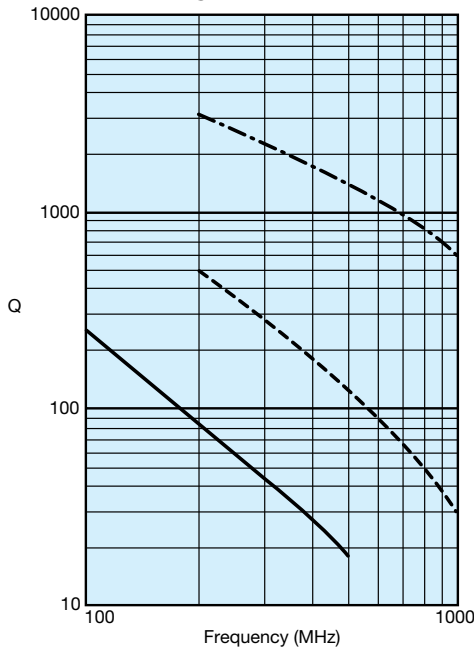


AVX CORPORATION  
 ..... 250 MHz    - - - 500 MHz    — 1000 MHz



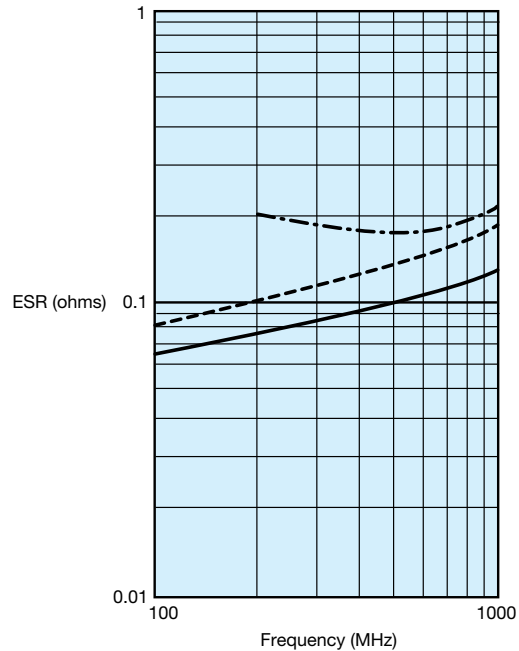
AVX CORPORATION  
 ..... 250 MHz    - - - 500 MHz    — 1000 MHz

**TYPICAL Q vs. FREQUENCY**  
 AQ11/12  
 MIL-PRF-55681E - BP  
 STANDARD - A



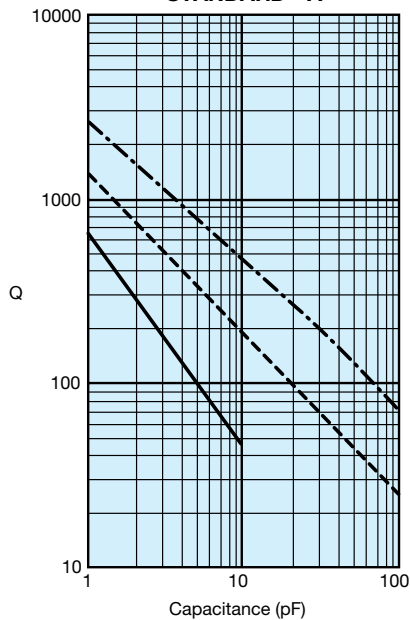
AVX CORPORATION  
 - · - · - 1 Picofarad - - - 15 Picofarad — 100 Picofarad

**TYPICAL ESR vs. FREQUENCY**  
 AQ11/12  
 MIL-PRF-55681E - BP  
 STANDARD - A



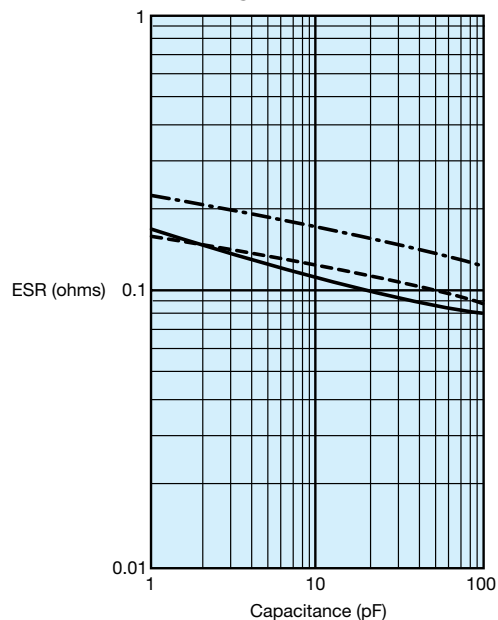
AVX CORPORATION  
 - · - · - 1 Picofarad - - - 15 Picofarad — 100 Picofarad

**TYPICAL Q vs. CAPACITANCE**  
 AQ11/12  
 MIL-PRF-55681E - BP  
 STANDARD - A



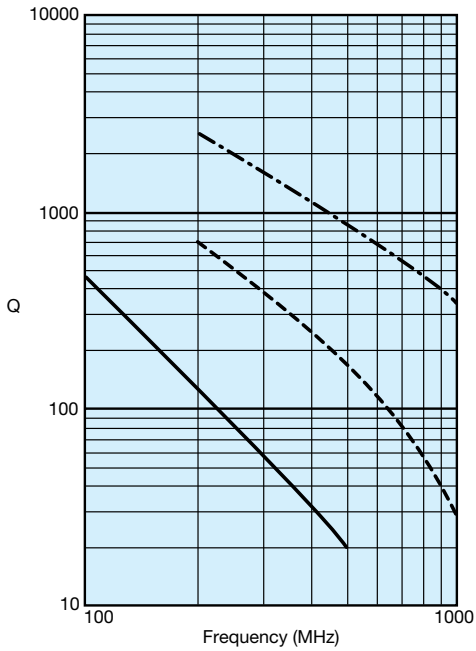
AVX CORPORATION  
 - · - · - 250 MHz - - - 500 MHz — 1000 MHz

**TYPICAL ESR vs. CAPACITANCE**  
 AQ11/12  
 MIL-PRF-55681E - BP  
 STANDARD - A



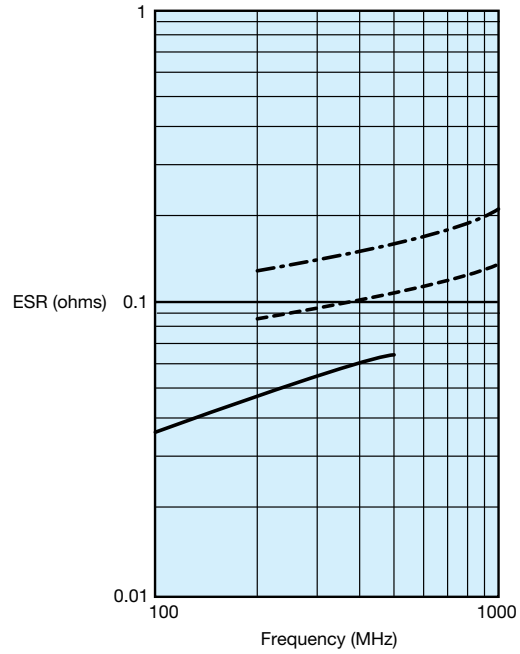
AVX CORPORATION  
 — 250 MHz - - - 500 MHz - · - · - 1000 MHz

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



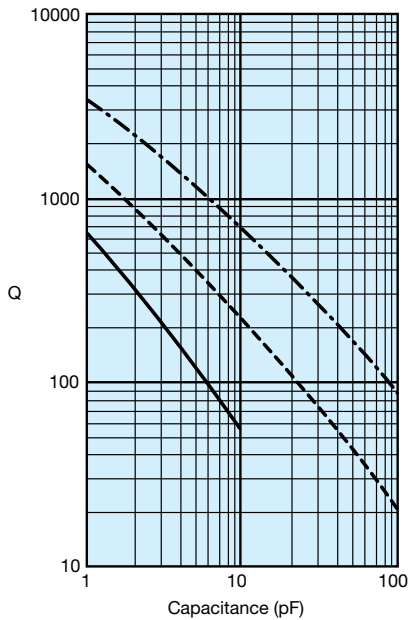
AVX CORPORATION  
 --- 2 Picofarad    - - - 15 Picofarad    — 100 Picofarad

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



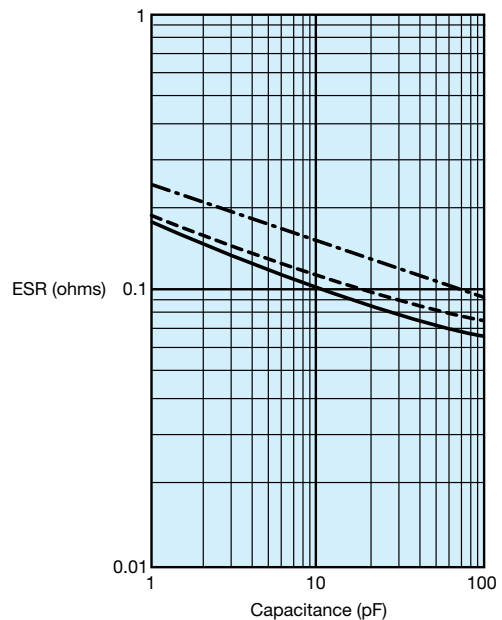
AVX CORPORATION  
 - - - 15 Picofarad    - - - 47 Picofarad    — 100 Picofarad

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



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

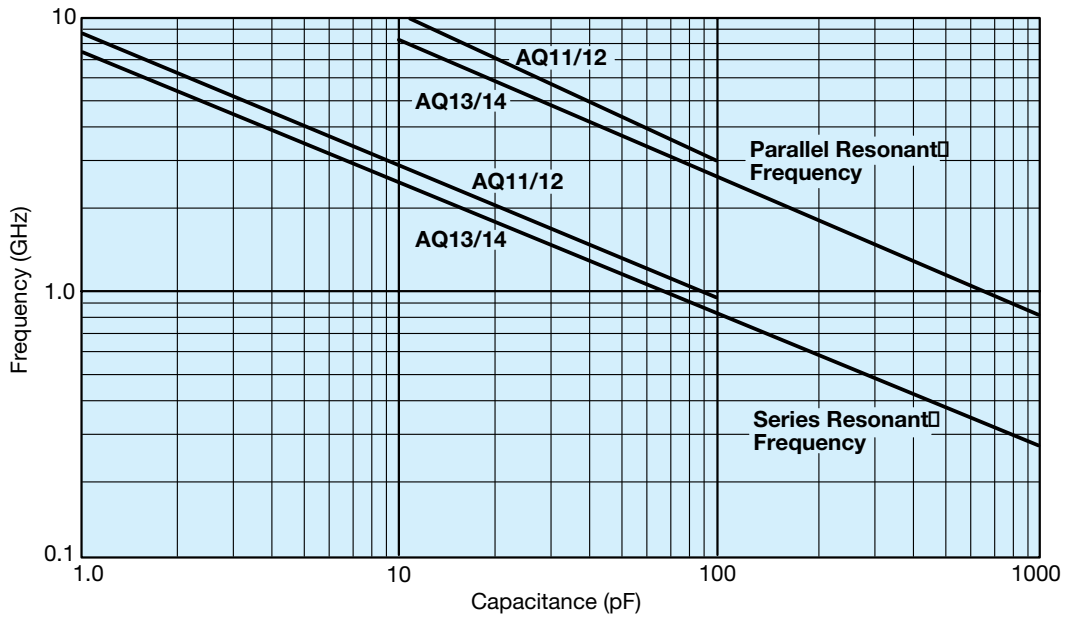
**TYPICAL ESR vs. CAPACITANCE**  
 AQ13/14  
 MIL-PRF-55681E - BP  
 STANDARD - A



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



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



**TYPICAL RESONANT FREQUENCY vs. CAPACITANCE**  
**AVX 0603**

