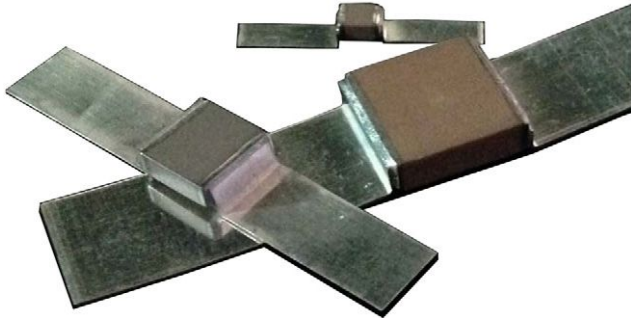


## High Power Leaded Ceramic Capacitors for High Frequency

HALOGEN  
**FREE**



### FEATURES

- Case sizes 1111, 2525, and 3838
- Ultra-stable, high Q dielectric material
- Non-magnetic construction
- Custom lead configurations are available
- Special coatings are available
- High frequency / high power
- Reliable Noble Metal Electrode (NME) system
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)

### APPLICATIONS

- MRI coils and generators
- RF instruments
- Lasers, CATV, UHF / microwave RF power amplifiers
- Filter networks, timing circuits

### ELECTRICAL SPECIFICATIONS

#### Note

- Electrical characteristics at 25 °C unless otherwise specified

#### Operating Temperature:

-55 °C to +125 °C

#### Capacitance Range:

1111: 1.0 pF to 1000 pF

2525: 1.0 pF to 2700 pF

3838: 1.0 pF to 5100 pF

#### Voltage Rating:

1111: 300 V<sub>DC</sub> to 1500 V<sub>DC</sub>

2525: 300 V<sub>DC</sub> to 3600 V<sub>DC</sub>

3838: 500 V<sub>DC</sub> to 7200 V<sub>DC</sub>

#### Temperature Coefficient of Capacitance (TCC):

C0G (D): 0 ppm/°C ± 30 ppm/°C from -55 °C to +125 °C with zero (0) V<sub>DC</sub> applied

#### Dissipation Factor (DF) <sup>(1)</sup>:

C0G (D): 0.05 % max. at 1.0 V<sub>RMS</sub> and 1 MHz for values ≤ 1000 pF

C0G (D): 0.05 % max. at 1.0 V<sub>RMS</sub> and 1 kHz for values > 1000 pF

#### Note

<sup>(1)</sup> Dissipation factor is for the part without leads

#### Aging Rate:

0 % maximum per decade

#### Insulation Resistance (IR):

at +25 °C and rated voltage 100 000 MΩ minimum or 1000 ΩF, whichever is less

#### Dielectric Strength Test:

performed per method 103 of EIA-198-2-E.

#### Applied test voltages:

300 V<sub>DC</sub> to 500 V<sub>DC</sub>-rated: min. 150 % of rated voltage

630 V<sub>DC</sub> to 1000 V<sub>DC</sub>-rated: 150 % of rated voltage

1500 V<sub>DC</sub> and up: 120 % rated voltage

QUICK REFERENCE DATA				
DIELECTRIC	CASE	MAXIMUM VOLTAGE (V)	CAPACITANCE	
			MINIMUM	MAXIMUM
D = NP0	1111	1500	1.0 pF	1000 pF
	2525	3600	1.0 pF	2700 pF
	3838	7200	1.0 pF	5100 pF

ORDERING INFORMATION										
VJ2525	D	101	G	C	W	Q	W	M	C	O
CASE CODE	DIELECTRIC	CAPACITANCE NOMINAL CODE	CAPACITANCE TOLERANCE	TERMINATION	DC VOLTAGE RATING	MARKING	PACKAGE	LEAD TYPE	LEAD MATERIAL	SPECIAL
1111 2525 3838	D = HIFREQ	Expressed in picofarads (pF). The first two digits are significant, the third is a multiplier. "R" denotes decimal place. Examples: 1R2 = 1.2 pF 103 = 10 000 pF 104 = 100 000 pF	B = ± 0.10 pF <sup>(1)</sup> C = ± 0.25 pF D = ± 0.50 pF F = ± 1 % G = ± 2 % J = ± 5 % K = ± 10 % M = ± 20 %	C = non-magnetic copper barrier 100 % tin plate matte finish	D = 300 V E = 500 V L = 630 V I = 800 V G = 1000 V R = 1500 V F = 2000 V O = 2500 V H = 3000 V W = 3600 V M = 5000 V S = 7200 V	Q = marked	W = waffle pack	M: Microstrip R: radial A: axial	S: pure silver (Ag) C: silver plated copper (minimum 2 µm silver plated over Cu)	O: no coating, standard length P: parylene coating

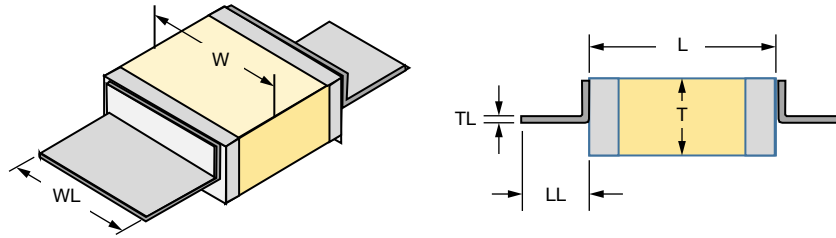
**Note**

<sup>(1)</sup> B tolerance is for the part without leads

MICROSTRIP DIMENSIONS in inches (millimeters)						
CASE SIZE	LENGTH (L)	WIDTH (W)	MAXIMUM THICKNESS (T)	MINIMUM LEAD LENGTH (LL)	LEAD WIDTH (WL)	LEAD THICKNESS (TL)
1111	0.117 + 0.020 / - 0.010 (2.98 + 0.51 / - 0.25)	0.110 ± 0.020 (2.79 ± 0.51)	0.102 (2.59)	0.250 (6.35)	0.090 ± 0.010 (2.28 ± 0.16)	0.004 ± 0.001 (0.102 ± 0.025)
2525	0.250 + 0.020 / - 0.025 (6.35 + 0.508 / - 0.63)	0.250 ± 0.015 (6.35 ± 0.38)	0.102 (2.59)	0.500 (12.70)	0.240 ± 0.020 (5.58 ± 0.40)	0.004 ± 0.001 (0.102 ± 0.025)
3838	0.381 ± 0.015 (9.7 ± 0.40)	0.381 + 0.017 / - 0.015 (9.7 + 0.45 / - 0.40)	0.118 (3.00)	0.750 (19.05)	0.350 ± 0.020 (9.00 ± 0.51)	0.010 ± 0.005 (0.25 ± 0.030)

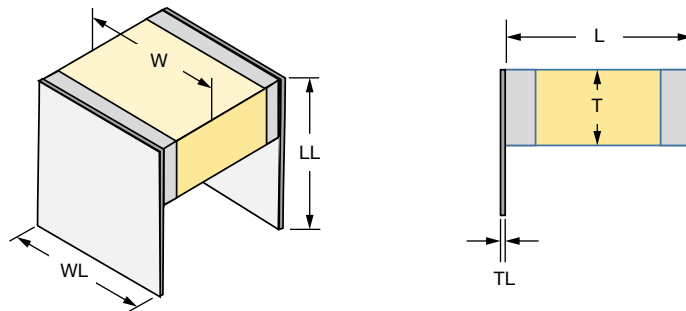


**AXIAL LEADED DIMENSIONS** in inches (millimeters)



CASE SIZE	LENGTH (L)	WIDTH (W)	MAXIMUM THICKNESS (T)	MINIMUM LEAD LENGTH (LL)	LEAD WIDTH (WL)	LEAD THICKNESS (TL)
1111	0.117 + 0.020 / - 0.010 (2.98 + 0.51 / - 0.25)	0.110 ± 0.020 (2.79 ± 0.51)	0.102 (2.59)	0.250 (6.35)	0.090 ± 0.010 (2.28 ± 0.16)	0.004 ± 0.001 (0.102 ± 0.025)
2525	0.250 + 0.020 / - 0.025 (6.35 + 0.508 / - 0.63)	0.250 ± 0.015 (6.35 ± 0.38)	0.102 (2.59)	0.500 (12.70)	0.240 ± 0.020 (5.58 ± 0.40)	0.004 ± 0.001 (0.102 ± 0.025)
3838	0.381 ± 0.015 (9.7 ± 0.40)	0.381 + 0.017 / - 0.015 (9.7 + 0.45 / - 0.40)	0.118 (3.00)	0.750 (19.05)	0.350 ± 0.020 (9.00 ± 0.51)	0.010 ± 0.005 (0.25 ± 0.030)

**RADIAL LEADED DIMENSIONS** in inches (millimeters)



CASE SIZE	LENGTH (L)	WIDTH (W)	MAXIMUM THICKNESS (T)	MINIMUM LEAD LENGTH (LL)	LEAD WIDTH (WL)	LEAD THICKNESS (TL)
1111	0.117 + 0.020 / - 0.010 (2.98 + 0.51 / - 0.25)	0.110 ± 0.020 (2.79 ± 0.51)	0.102 (2.59)	0.250 (6.35)	0.090 ± 0.010 (2.28 ± 0.16)	0.004 ± 0.001 (0.102 ± 0.025)
2525	0.250 + 0.020 / - 0.025 (6.35 + 0.508 / - 0.63)	0.250 ± 0.015 (6.35 ± 0.38)	0.102 (2.59)	0.500 (12.7)	0.240 ± 0.020 (5.58 ± 0.40)	0.004 ± 0.001 (0.102 ± 0.025)
3838	0.381 ± 0.015 (9.7 ± 0.40)	0.381 + 0.017 / - 0.015 (9.7 + 0.45 / - 0.40)	0.118 (3.00)	0.750 (19.05)	0.350 ± 0.020 (9.00 ± 0.51)	0.010 ± 0.005 (0.25 ± 0.030)



SELECTION CHART						
DIELECTRIC (VISHAY CODE)		COG (D)				TOLERANCE
STYLE		VJ1111				
CASE CODE		1111				
VOLTAGE (V <sub>DC</sub> )		300	630	1000	1500	
VOLTAGE CODE		D	L	G	R	
CAP. CODE	CAP.					
1R0	1.0 pF	•	•	•	•	B, C, D
1R1	1.1 pF	•	•	•	•	B, C, D
1R2	1.2 pF	•	•	•	•	B, C, D
1R3	1.3 pF	•	•	•	•	B, C, D
1R4	1.4 pF	•	•	•	•	B, C, D
1R5	1.5 pF	•	•	•	•	B, C, D
1R6	1.6 pF	•	•	•	•	B, C, D
1R7	1.7 pF	•	•	•	•	B, C, D
1R8	1.8 pF	•	•	•	•	B, C, D
1R9	1.9 pF	•	•	•	•	B, C, D
2R0	2.0 pF	•	•	•	•	B, C, D
2R1	2.1 pF	•	•	•	•	B, C, D
2R2	2.2 pF	•	•	•	•	B, C, D
2R4	2.4 pF	•	•	•	•	B, C, D
2R7	2.7 pF	•	•	•	•	B, C, D
3R0	3.0 pF	•	•	•	•	B, C, D
3R3	3.3 pF	•	•	•	•	B, C, D
3R6	3.6 pF	•	•	•	•	B, C, D
3R9	3.9 pF	•	•	•	•	B, C, D
4R3	4.3 pF	•	•	•	•	B, C, D
4R7	4.7 pF	•	•	•	•	B, C, D
5R1	5.1 pF	•	•	•	•	B, C, D
5R6	5.6 pF	•	•	•	•	B, C, D
6R2	6.2 pF	•	•	•	•	B, C, D
6R8	6.8 pF	•	•	•	•	B, C, D
7R5	7.5 pF	•	•	•	•	B, C, D
8R2	8.2 pF	•	•	•	•	B, C, D
9R1	9.1 pF	•	•	•	•	B, C, D
100	10 pF	•	•	•	•	F, G, J, K, M
110	11 pF	•	•	•	•	F, G, J, K, M
120	12 pF	•	•	•	•	F, G, J, K, M
130	13 pF	•	•	•	•	F, G, J, K, M
150	15 pF	•	•	•	•	F, G, J, K, M
180	18 pF	•	•	•	•	F, G, J, K, M
200	20 pF	•	•	•	•	F, G, J, K, M
220	22 pF	•	•	•	•	F, G, J, K, M
240	24 pF	•	•	•	•	F, G, J, K, M
270	27 pF	•	•	•	•	F, G, J, K, M



SELECTION CHART						
DIELECTRIC (VISHAY CODE)		COG (D)				
STYLE		VJ1111				TOLERANCE
CASE CODE		1111				
VOLTAGE (V <sub>DC</sub> )		300	630	1000	1500	
VOLTAGE CODE		D	L	G	R	
CAP. CODE	CAP.					
300	30 pF	•	•	•	•	F, G, J, K, M
330	33 pF	•	•	•	•	F, G, J, K, M
360	36 pF	•	•	•	•	F, G, J, K, M
390	39 pF	•	•	•	•	F, G, J, K, M
430	43 pF	•	•	•	•	F, G, J, K, M
470	47 pF	•	•	•	•	F, G, J, K, M
510	51 pF	•	•	•	•	F, G, J, K, M
560	56 pF	•	•	•	•	F, G, J, K, M
620	62 pF	•	•	•	•	F, G, J, K, M
680	68 pF	•	•	•	•	F, G, J, K, M
750	75 pF	•	•	•	•	F, G, J, K, M
820	82 pF	•	•	•	•	F, G, J, K, M
910	91 pF	•	•	•	•	F, G, J, K, M
101	100 pF	•	•	•	•	F, G, J, K, M
111	110 pF	•	•	•	•	F, G, J, K, M
121	120 pF	•	•	•	•	F, G, J, K, M
131	130 pF	•	•	•	•	F, G, J, K, M
151	150 pF	•	•	•	•	F, G, J, K, M
181	180 pF	•	•	•	•	F, G, J, K, M
201	200 pF	•	•	•	•	F, G, J, K, M
221	220 pF	•	•	•	•	F, G, J, K, M
241	240 pF	•	•	•	•	F, G, J, K, M
301	300 pF	•	•	•	•	F, G, J, K, M
331	330 pF	•	•	•	•	F, G, J, K, M
361	360 pF	•	•	•	•	F, G, J, K, M
391	390 pF	•	•	•	•	F, G, J, K, M
431	430 pF	•	•	•	•	F, G, J, K, M
471	470 pF	•	•	•	•	F, G, J, K, M
511	510 pF	•	•	•	•	F, G, J, K, M
561	560 pF	•	•	•	•	F, G, J, K, M
621	620 pF	•	•	•	•	F, G, J, K, M
681	680 pF	•	•	•	•	F, G, J, K, M
751	750 pF	•	•	•	•	F, G, J, K, M
821	820 pF	•	•	•	•	F, G, J, K, M
911	910 pF	•	•	•	•	F, G, J, K, M
102	1.0 nF	•	•	•	•	F, G, J, K, M



SELECTION CHART											
DIELECTRIC (VISHAY CODE)		C0G (D)									
STYLE		VJ2525									
CASE CODE		2525									
VOLTAGE (V <sub>DC</sub> )		300	500	800	1000	1500	2000	2500	3000	3600	TOLERANCE
VOLTAGE CODE		D	E	I	G	R	F	O	H	W	
CAP. CODE	CAP.										
1R0	1.0 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R1	1.1 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R2	1.2 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R3	1.3 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R4	1.4 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R5	1.5 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R6	1.6 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R7	1.7 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R8	1.8 pF	•	•	•	•	•	•	•	•	•	B, C, D
1R9	1.9 pF	•	•	•	•	•	•	•	•	•	B, C, D
2R0	2.0 pF	•	•	•	•	•	•	•	•	•	B, C, D
2R1	2.1 pF	•	•	•	•	•	•	•	•	•	B, C, D
2R2	2.2 pF	•	•	•	•	•	•	•	•	•	B, C, D
2R4	2.4 pF	•	•	•	•	•	•	•	•	•	B, C, D
2R7	2.7 pF	•	•	•	•	•	•	•	•	•	B, C, D
3R0	3.0 pF	•	•	•	•	•	•	•	•	•	B, C, D
3R3	3.3 pF	•	•	•	•	•	•	•	•	•	B, C, D
3R6	3.6 pF	•	•	•	•	•	•	•	•	•	B, C, D
3R9	3.9 pF	•	•	•	•	•	•	•	•	•	B, C, D
4R3	4.3 pF	•	•	•	•	•	•	•	•	•	B, C, D
4R7	4.7 pF	•	•	•	•	•	•	•	•	•	B, C, D
5R1	5.1 pF	•	•	•	•	•	•	•	•	•	B, C, D
5R6	5.6 pF	•	•	•	•	•	•	•	•	•	B, C, D
6R2	6.2 pF	•	•	•	•	•	•	•	•	•	B, C, D
6R8	6.8 pF	•	•	•	•	•	•	•	•	•	B, C, D
7R5	7.5 pF	•	•	•	•	•	•	•	•	•	B, C, D
8R2	8.2 pF	•	•	•	•	•	•	•	•	•	B, C, D
9R1	9.1 pF	•	•	•	•	•	•	•	•	•	B, C, D
100	10 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
110	11 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
120	12 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
130	13 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
150	15 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
160	16 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
180	18 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
200	20 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
220	22 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
240	24 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
270	27 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
300	30 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
330	33 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
360	36 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
390	39 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
430	43 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M



SELECTION CHART											
DIELECTRIC (VISHAY CODE)		COG (D)									TOLERANCE
STYLE		VJ2525									
CASE CODE		2525									
VOLTAGE (V <sub>DC</sub> )		300	500	800	1000	1500	2000	2500	3000	3600	
VOLTAGE CODE		D	E	I	G	R	F	O	H	W	
CAP. CODE	CAP.										
470	47 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
510	51 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
560	56 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
620	62 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
680	68 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
750	75 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
820	82 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
910	91 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
101	100 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
111	110 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
121	120 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
131	130 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
151	150 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
161	160 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
181	180 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
201	200 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
221	220 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
241	240 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
271	270 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
301	300 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
331	330 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
361	360 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
391	390 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
431	430 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
471	470 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
511	510 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
561	560 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
621	620 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
681	680 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
751	750 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
821	820 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
911	910 pF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
102	1.0 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
112	1.1 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
122	1.2 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
152	1.5 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
182	1.8 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
202	2.0 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
222	2.2 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
242	2.4 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M
272	2.7 nF	•	•	•	•	•	•	•	•	•	F, G, J, K, M



SELECTION CHART								
DIELECTRIC (VISHAY CODE)		COG (D)						TOLERANCE
STYLE		VJ3838						
CASE CODE		3838						
VOLTAGE (V <sub>DC</sub> )		500	1000	2500	3600	5000	7200	
VOLTAGE CODE		E	G	O	W	M	S	
CAP. CODE	CAP.							
1R0	1.0 pF	•	•	•	•	•	•	B, C, D
1R1	1.1 pF	•	•	•	•	•	•	B, C, D
1R2	1.2 pF	•	•	•	•	•	•	B, C, D
1R3	1.3 pF	•	•	•	•	•	•	B, C, D
1R4	1.4 pF	•	•	•	•	•	•	B, C, D
1R5	1.5 pF	•	•	•	•	•	•	B, C, D
1R6	1.6 pF	•	•	•	•	•	•	B, C, D
1R7	1.7 pF	•	•	•	•	•	•	B, C, D
1R8	1.8 pF	•	•	•	•	•	•	B, C, D
1R9	1.9 pF	•	•	•	•	•	•	B, C, D
2R0	2.0 pF	•	•	•	•	•	•	B, C, D
2R1	2.1 pF	•	•	•	•	•	•	B, C, D
2R2	2.2 pF	•	•	•	•	•	•	B, C, D
2R4	2.4 pF	•	•	•	•	•	•	B, C, D
2R7	2.7 pF	•	•	•	•	•	•	B, C, D
3R0	3.0 pF	•	•	•	•	•	•	B, C, D
3R3	3.3 pF	•	•	•	•	•	•	B, C, D
3R6	3.6 pF	•	•	•	•	•	•	B, C, D
3R9	3.9 pF	•	•	•	•	•	•	B, C, D
4R3	4.3 pF	•	•	•	•	•	•	B, C, D
4R7	4.7 pF	•	•	•	•	•	•	B, C, D
5R1	5.1 pF	•	•	•	•	•	•	B, C, D
5R6	5.6 pF	•	•	•	•	•	•	B, C, D
6R2	6.2 pF	•	•	•	•	•	•	B, C, D
6R8	6.8 pF	•	•	•	•	•	•	B, C, D
7R5	7.5 pF	•	•	•	•	•	•	B, C, D
8R2	8.2 pF	•	•	•	•	•	•	B, C, D
9R1	9.1 pF	•	•	•	•	•	•	B, C, D
100	10 pF	•	•	•	•	•	•	F, G, J, K, M
110	11 pF	•	•	•	•	•	•	F, G, J, K, M
120	12 pF	•	•	•	•	•	•	F, G, J, K, M
130	13 pF	•	•	•	•	•	•	F, G, J, K, M
150	15 pF	•	•	•	•	•	•	F, G, J, K, M
160	16 pF	•	•	•	•	•	•	F, G, J, K, M
180	18 pF	•	•	•	•	•	•	F, G, J, K, M
200	20 pF	•	•	•	•	•	•	F, G, J, K, M
220	22 pF	•	•	•	•	•	•	F, G, J, K, M
240	24 pF	•	•	•	•	•	•	F, G, J, K, M
270	27 pF	•	•	•	•	•	•	F, G, J, K, M
300	30 pF	•	•	•	•	•	•	F, G, J, K, M
330	33 pF	•	•	•	•	•	•	F, G, J, K, M
360	36 pF	•	•	•	•	•	•	F, G, J, K, M
390	39 pF	•	•	•	•	•	•	F, G, J, K, M
430	43 pF	•	•	•	•	•	•	F, G, J, K, M
470	47 pF	•	•	•	•	•	•	F, G, J, K, M
510	51 pF	•	•	•	•	•	•	F, G, J, K, M





SELECTION CHART								
DIELECTRIC (VISHAY CODE)		COG (D)						TOLERANCE
STYLE		VJ3838						
CASE CODE		3838						
VOLTAGE (V <sub>DC</sub> )		500	1000	2500	3600	5000	7200	
VOLTAGE CODE		E	G	O	W	M	S	
CAP. CODE	CAP.							
560	56 pF	•	•	•	•	•	•	F, G, J, K, M
620	62 pF	•	•	•	•	•	•	F, G, J, K, M
680	68 pF	•	•	•	•	•	•	F, G, J, K, M
750	75 pF	•	•	•	•	•	•	F, G, J, K, M
820	82 pF	•	•	•	•	•	•	F, G, J, K, M
910	91 pF	•	•	•	•	•	•	F, G, J, K, M
101	100 pF	•	•	•	•	•	•	F, G, J, K, M
111	110 pF	•	•	•	•	•	•	F, G, J, K, M
121	120 pF	•	•	•	•	•	•	F, G, J, K, M
131	130 pF	•	•	•	•	•	•	F, G, J, K, M
151	150 pF	•	•	•	•	•	•	F, G, J, K, M
161	160 pF	•	•	•	•	•	•	F, G, J, K, M
181	180 pF	•	•	•	•	•	•	F, G, J, K, M
201	200 pF	•	•	•	•	•	•	F, G, J, K, M
221	220 pF	•	•	•	•	•	•	F, G, J, K, M
241	240 pF	•	•	•	•	•	•	F, G, J, K, M
271	270 pF	•	•	•	•	•	•	F, G, J, K, M
301	300 pF	•	•	•	•	•	•	F, G, J, K, M
331	330 pF	•	•	•	•	•	•	F, G, J, K, M
361	360 pF	•	•	•	•	•	•	F, G, J, K, M
391	390 pF	•	•	•	•	•	•	F, G, J, K, M
431	430 pF	•	•	•	•	•	•	F, G, J, K, M
471	470 pF	•	•	•	•	•	•	F, G, J, K, M
511	510 pF	•	•	•	•	•	•	F, G, J, K, M
561	560 pF	•	•	•	•	•	•	F, G, J, K, M
621	620 pF	•	•	•	•	•	•	F, G, J, K, M
681	680 pF	•	•	•	•	•	•	F, G, J, K, M
751	750 pF	•	•	•	•	•	•	F, G, J, K, M
821	820 pF	•	•	•	•	•	•	F, G, J, K, M
911	910 pF	•	•	•	•	•	•	F, G, J, K, M
102	1.0 nF	•	•	•	•	•	•	F, G, J, K, M
112	1.1 nF	•	•	•	•	•	•	F, G, J, K, M
122	1.2 nF	•	•	•	•	•	•	F, G, J, K, M
152	1.5 nF	•	•	•	•	•	•	F, G, J, K, M
182	1.8 nF	•	•	•	•	•	•	F, G, J, K, M
202	2.0 nF	•	•	•	•	•	•	F, G, J, K, M
222	2.2 nF	•	•	•	•	•	•	F, G, J, K, M
242	2.4 nF	•	•	•	•	•	•	F, G, J, K, M
272	2.7 nF	•	•	•	•	•	•	F, G, J, K, M
302	3.0 nF	•	•	•	•	•	•	F, G, J, K, M
332	3.3 nF	•	•	•	•	•	•	F, G, J, K, M
392	3.9 nF	•	•	•	•	•	•	F, G, J, K, M
472	4.7 nF	•	•	•	•	•	•	F, G, J, K, M
512	5.1 nF	•	•	•	•	•	•	F, G, J, K, M



<b>STANDARD PACKAGING QUANTITIES</b>			
<b>CASE CODE</b>	<b>WAFFLE PACK "W"</b>		
	<b>MICROSTRIP ("M")</b>	<b>AXIAL LEADED ("A")</b>	<b>RADIAL LEADED ("R")</b>
1111	186	186	247
2525	75	75	135
3838	36	36	66

<b>STORAGE AND HANDLING CONDITIONS</b>
<p>(1) Store the components at 5 °C to 40 °C ambient temperature and ≤ 70 % relative humidity conditions.</p> <p>(2) The product is recommended to be used within a time-frame of 2 years after shipment. Check solderability in case extended shelf life beyond the expiry date is needed.</p> <p>Precautions:</p> <ul style="list-style-type: none"><li>a. Do not store products in an environment containing corrosive elements, especially where chloride gas, sulfide gas, acid, alkali, salt or the like are present. This may cause corrosion or oxidization of the terminations, which can easily lead to poor soldering.</li><li>b. Store products on the shelf and avoid exposure to moisture or dust.</li><li>c. Do not expose products to excessive shock, vibration, direct sunlight and so on.</li></ul>



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