

Polypropylene Film Capacitors ORANGE DROP®, Low Loss



PERFORMANCE CHARACTERISTICS

Operating Temperature: - 55°C to + 85°C standard; up to + 105°C when working voltage is reduced to 50% of the + 85°C rating.

Insulation Resistance: After a 2 minute charge at rated voltage or 500 V, whichever is less.

At + 25°C: 400,000 Megohm for C \leq .5 μ F. 200,000 Megohm - Microfarads for C > .5 Microfarads.

At + 85°C: 20,000 Megohm for C \leq .5 Microfarads. 10,000 Megohm - Microfarads for C > .5 Microfarads.

At + 105°C: 2000 Megohm for C \leq .5 μ F. 1000 Megohm - Microfarads for C > .5 Microfarads.

Capacitance, Tolerance and Dissipation Factor:

Capacitors shall be measured at a frequency of 1000Hz at + 25°C or else be referred to measurements made at that frequency and temperature. The maximum dissipation factor shall be 0.1%.

Dielectric Withstanding Voltage: Capacitors rated below 1000 volts shall withstand a DC potential of 250% of rated voltage applied between terminals for not more than 5 seconds. Capacitors rated 1000 volts and above shall withstand a DC potential of 200% of rated voltage applied between the terminals for not more than 5 seconds. The test voltage must be applied and discharged through a resistor of one ohm per volt.

Polypropylene plastic film is employed as the dielectric in Type 715P ORANGE DROP® capacitors. Type 715P capacitors are ideal for applications where high AC current flow is found, as in certain solid-state TV vertical circuits, r-f generators and pulse-forming networks where dielectric heating is often a problem.

The polypropylene dielectric film is similar to polystyrene in that it can handle high AC currents due to its low loss but with the added advantage of an operating temperature to + 105°C.

Capacitance change with temperature is less than 3% over the entire operating temperature range. The temperature coefficient is negative and virtually linear at 180PPM/°C over the temperature range of + 25°C to + 105°C. This characteristic means the Type 715P is suitable for matching with positive TC resistors and inductors to maintain circuit stability.

Type 715P ORANGE DROP® capacitors are conformally coated with a flame retardant epoxy.

Performance characteristics, as well as curves showing typical variation in electrical characteristics as a function of temperature and frequency, are given.

Humidity Test: Condition capacitors with no voltage applied for 72 hours at 95% relative humidity and + 75°C. Remove capacitors from humidity chamber, wipe surface dry of moisture and dry in circulating air for 4 hours. Measure insulation resistance after a two minute charge at + 25°C and rated voltage or 500 VDC, whichever is less. Minimum product of insulation resistance and capacitance shall be 50,000 Megohm-microfarads after test but need not exceed 100,000 Megohm. Not more than one failure in 12 units tested shall be permitted.

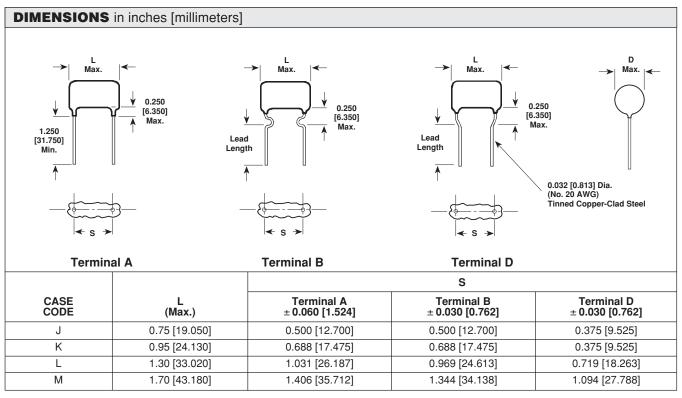
DC Life Test: Capacitors are capable of withstanding a 500 hour life test at + 85°C at 150% of rated working voltage. After test, capacitance shall not have changed by more than 5% of initial value, insulation resistance shall not have decreased by more than 50% of the initial limit and dissipation factor shall not have increased to more than 0.1%.

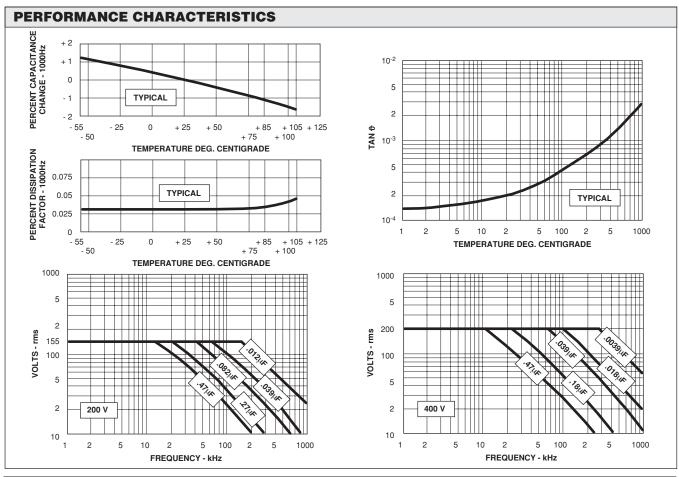
AC Life Test: Capacitors shall withstand the maximum 60Hz voltage for a period of 500 hours at + 85°C.

Rated DC Voltage	Maximum 60Hz Voltage	
200	155	
400, 600	200	
800, 1200, 1600	500	

Not more than one failure allowed in 12 units tested.

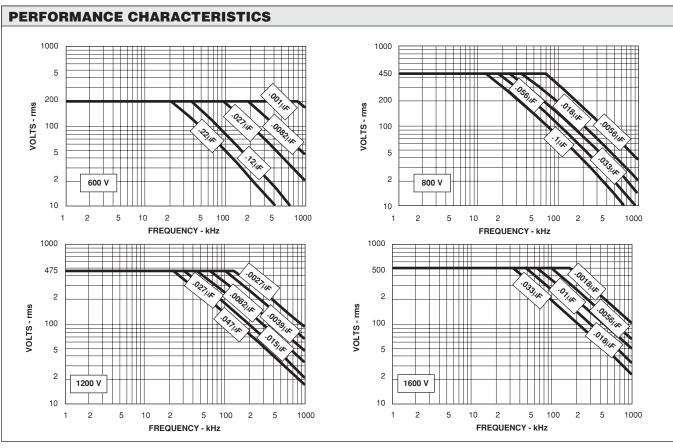












μF ± 10% TOLERANCE		SIZE	
	PART NUMBER	L	D
	200 VDC/155 V	AC **	
.012	715P12392J	0.75 [19.05]	0.37 [9.40]
.015	715P15392J	0.75 [19.05]	0.37 [9.40]
.018	715P18392J	0.75 [19.05]	0.37 [9.40]
.022	715P22392J	0.75 [19.05]	0.37 [9.40]
.027	715P27392J	0.75 [19.05]	0.42 [10.67]
.033	715P33392J	0.75 [19.05]	0.42 [10.67]
.039	715P39392K	0.95 [24.13]	0.40 [10.16]
.047	715P47392K	0.95 [24.13]	0.40 [10.16]
.056	715P56392K	0.95 [24.13]	0.45 [11.43]
.068	715P68392K	0.95 [24.13]	0.45 [11.43]
.082	715P82392L	1.30 [33.02]	0.45 [11.43]
.1	715P10492L	1.30 [33.02]	0.45 [11.43]
.12	715P12492L	1.30 [33.02]	0.55 [13.97]
.15	715P15492L	1.30 [33.02]	0.55 [13.97]
.18	715P18492L	1.30 [33.02]	0.62 [15.75]
.22	715P22492L	1.30 [33.02]	0.62 [15.75]
.27	715P27492M	1.70 [43.18]	0.65 [16.51]
.33	715P33492M	1.70 [43.18]	0.65 [16.51]
.39	715P39492M	1.70 [43.18]	0.75 [19.05]
.47	715P47492M	1.70 [43.18]	0.75 [19.05]

^{*} Shaded items, when ordered as ± 5% tolerance with D3 leads, are standard capacitors in stock and available through the Sprague[®] Distribution Network. To complete the Type 715P Part Number, add the "D3" suffix and change the capacitance tolerance code number from a "9" to a "5" to indicate ± 5% (i.e., 715P10456LD3). Any other Part Number, value or type may easily be ordered as a Special.

^{** 60}Hz rms.

Type 715P

Vishay Sprague



μ F	SIZE		
± 10% TÖLERANCE	PART NUMBER	L	Dia.
	400 VDC/200 VA		
.0039	715P39294J	0.75 [19.05]	0.40 [10.16
.0047	715P47294J	0.75 [19.05]	0.40 [10.16
.0056	715P56294J	0.75 [19.05]	0.40 [10.16
.0068	715P68294J	0.75 [19.05]	0.40 [10.16
.0082	715P82294J	0.75 [19.05]	0.40 [10.16
.01	715P10394J	0.75 [19.05]	0.40 [10.16
.012	715P12394J	0.75 [19.05]	0.45 [11.43
.015	715P15394J	0.75 [19.05]	0.45 [11.43
.018	715P18394K	0.95 [24.13]	0.45 [11.43
.022	715P22394K	0.95 [24.13]	0.45 [11.43
.027	715P27394K	0.95 [24.13]	0.50 [12.70
.033	715P33394K	0.95 [24.13]	0.50 [12.70
.039	715P39394L	1.30 [33.02]	0.50 [12.70
.047	715P47394L	1.30 [33.02]	0.50 [12.70
.056	715P56394L	1.30 [33.02]	0.55 [13.97
.068	715P68394L	1.30 [33.02]	0.55 [13.97
.082	715P82394L	1.30 [33.02]	0.60 [15.24
.1	715P10494L	1.30 [33.02]	0.60 [15.24
.12	715P12494L	1.30 [33.02]	0.65 [16.5
.15	715P15494L	1.30 [33.02]	0.65 [16.5
.18	715P18494M	1.70 [43.18]	0.70 [17.78
.22	715P22494M	1.70 [43.18]	0.70 [17.78
.27	715P27494M	1.70 [43.18]	0.80 [20.32
.33	715P33494M	1.70 [43.18]	0.80 [20.32
.39	715P39494M	1.70 [43.18]	0.90 [22.86
.47	715P47494M	1.70 [43.18]	0.90 [22.86
	600 VDC/200 VA		•
.001	715P10296J	0.75 [19.05]	0.40 [10.16
.0012	715P12296J	0.75 [19.05]	0.40 [10.16
.0015	715P15296J	0.75 [19.05]	0.40 [10.16
.0018	715P18296J	0.75 [19.05]	0.40 [10.16
.0022	715P22296J	0.75 [19.05]	0.40 [10.16
.0027	715P27296J	0.75 [19.05]	0.40 [10.16
.0033	715P33296J	0.75 [19.05]	0.40 [10.16
.0039	715P39296J	0.75 [19.05]	0.45 [11.43
.0047	715P47296J	0.75 [19.05]	0.45 [11.43
.0056	715P47296J 715P56296J	0.75 [19.05]	0.45 [11.43
.0056	715P68296J	0.75 [19.05]	0.45 [11.43
.0082	715P82296J 715P82296K	0.75 [19.05]	0.45 [11.4
.01	715P10396K	0.95 [24.13]	0.45 [11.43
.012	715P12396K	0.95 [24.13]	0.50 [12.7]
.015	715P15396K	0.95 [24.13]	0.50 [12.7]
.018	715P18396K	0.95 [24.13]	0.55 [13.9]
.022	715P22396K	0.95 [24.13]	0.55 [13.9]
.027	715P27396L	1.30 [33.02]	0.55 [13.9]
.033	715P33396L	1.30 [33.02]	0.55 [13.9]
.039	715P39396L	1.30 [33.02]	0.60 [15.24
.047	715P47396L	1.30 [33.02]	0.60 [15.24
.056	715P56396L	1.30 [33.02]	0.65 [16.5]
.068	715P68396L	1.30 [33.02]	0.65 [16.5
.082	715P82396L	1.30 [33.02]	0.75 [19.0
.1	715P10496L	1.30 [33.02]	0.75 [19.0
.12	715P12496M	1.70 [43.18]	0.75 [19.0
.15	715P15496M	1.70 [43.18]	0.75 [19.0
.18	715P18496M	1.70 [43.18]	0.85 [21.5
.22	715P22496M	1.70 [43.18]	0.85 [21.59

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^{** 60}Hz rms.



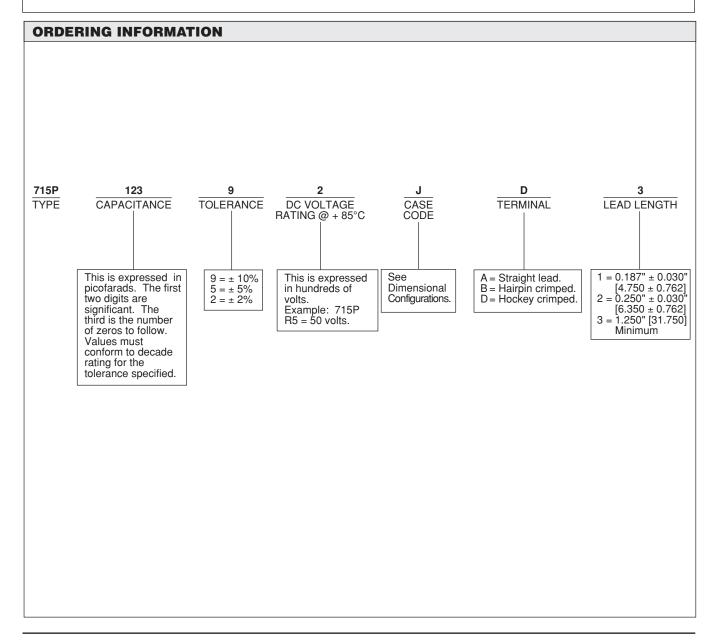
### 10% TOLERANCE PART NUMBER L 1.30 [33.02]	0.50 [12.7 0.50 [12.7 0.50 [12.7 0.50 [12.7 0.55 [13.9 0.55 [13.9 0.60 [15.2
.0056 715P56298L 1.30 [33.02] .0068 715P68298L 1.30 [33.02] .0082 715P68298L 1.30 [33.02] .01 715P10398L 1.30 [33.02] .01 715P12398L 1.30 [33.02] .015 715P15398L 1.30 [33.02] .016 715P15398L 1.30 [33.02] .017 715P15398L 1.30 [33.02] .018 715P1398L 1.30 [33.02] .020 715P2398L 1.30 [33.02] .021 715P2398L 1.30 [33.02] .022 715P2398L 1.30 [33.02] .023 715P3398L 1.30 [33.02] .033 715P33998L 1.30 [33.02] .039 715P393998M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .068 715P66398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P27912L 1.30 [33.02] .0033 715P3392912L 1.30 [33.02] .0039 715P392912L 1.30 [33.02] .0047 715P272912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P3912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .01 715P13912L 1.30 [33.02] .001 715P13912M 1.70 [43.18] .022 715P22916L 1.30 [33.02] .033 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .040 715P473912M 1.70 [4	0.50 [12.7 0.50 [12.7 0.50 [12.7 0.55 [13.9 0.55 [13.9 0.60 [15.2
.0068 715P68298L 1.30 [33.02] .0082 715P82298L 1.30 [33.02] .011 715P10398L 1.30 [33.02] .012 715P12398L 1.30 [33.02] .015 715P12398L 1.30 [33.02] .016 715P1398L 1.30 [33.02] .017 715P1398L 1.30 [33.02] .018 715P2398L 1.30 [33.02] .020 715P2398L 1.30 [33.02] .021 .022 715P2398L 1.30 [33.02] .023 715P3398L 1.30 [33.02] .033 715P3398M 1.70 [43.18] .039 715P3398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P6398M 1.70 [43.18] .068 715P6398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .0027 715P272912L 1.30 [33.02] .0033 715P32912L 1.30 [33.02] .0039 715P32912L 1.30 [33.02] .0039 715P32912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0066 715P62912L 1.30 [33.02] .0068 715P62912L 1.30 [33.02] .0068 715P62912L 1.30 [33.02] .0068 715P62912L 1.30 [33.02] .0069 715P32912L 1.30 [33.02] .010 715P123912L 1.30 [33.02] .011 715P123912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .013 715P33912L 1.30 [33.02] .014 715P13912L 1.30 [33.02] .015 715P13912L 1.30 [33.02] .016 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .023 715P333912M 1.70 [43.18] .024 715P23912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .029 715P33912M 1.70 [43.18] .020 715P33912M 1.70 [43.18] .021 715P273912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912H 1.30 [33.02] .0082 715P822916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.50 [12.7 0.50 [12.7 0.50 [12.7 0.55 [13.9 0.55 [13.9 0.60 [15.2
.0082 715P82298L 1.30 [33.02] .011 715P10398L 1.30 [33.02] .012 715P12398L 1.30 [33.02] .015 715P15398L 1.30 [33.02] .016 715P15398L 1.30 [33.02] .017 715P15398L 1.30 [33.02] .022 715P22398L 1.30 [33.02] .027 715P27398L 1.30 [33.02] .033 715P33398L 1.30 [33.02] .039 715P33998M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .068 715P68398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .082 715P2398M 1.70 [43.18] .092 715P23998M 1.70 [43.18] .0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P32912L 1.30 [33.02] .0039 715P32912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0062 715P822912L 1.30 [33.02] .010 715P13912L 1.30 [33.02] .011 715P13912L 1.30 [33.02] .012 715P13912L 1.30 [33.02] .013 715P13912L 1.30 [33.02] .014 715P13912L 1.30 [33.02] .015 715P13912L 1.30 [33.02] .016 715P23912M 1.70 [43.18] .022 715P823912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .023 715P33912M 1.70 [43.18] .024 715P273912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .048 715P482916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.50 [12.7 0.50 [12.7 0.55 [13.9 0.55 [13.9 0.60 [15.2 0.60 [15.2
.01 715P10398L 1.30 [33.02] .012 715P12398L 1.30 [33.02] .015 715P15398L 1.30 [33.02] .016 715P15398L 1.30 [33.02] .017 715P15398L 1.30 [33.02] .022 715P2398L 1.30 [33.02] .027 715P27398L 1.30 [33.02] .033 715P33998L 1.30 [33.02] .039 715P33998M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P6398M 1.70 [43.18] .056 715P6398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P105P12L 1.30 [33.02] .0039 715P32912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0068 715P62912L 1.30 [33.02] .0068 715P62912L 1.30 [33.02] .010 715P103912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .013 715P33912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .023 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .049 715P473912M 1.70 [43.18] .040 715P473912M 1.70 [43.18] .041 1.30 [33.02] .043 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .049 715P473912M 1.70 [43.18] .040 715P473912M 1.70 [43.18] .041 1.30 [33.02] .042 715P473916L 1.30 [33.02] .043 715P32916L 1.30 [33.02] .044 715P473916L 1.30 [33.02]	0.50 [12.7 0.55 [13.9 0.55 [13.9 0.60 [15.2 0.60 [15.2
.012 715P12398L 1.30 [33.02] .015 715P15398L 1.30 [33.02] .018 715P18398L 1.30 [33.02] .022 715P22398L 1.30 [33.02] .027 715P27398L 1.30 [33.02] .033 715P33398L 1.30 [33.02] .039 715P3398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P6398M 1.70 [43.18] .068 715P6398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .081 1.1 715P10498M 1.70 [43.18] .092 715P272912L 1.30 [33.02] .0033 715P3292912L 1.30 [33.02] .0033 715P32912L 1.30 [33.02] .0034 715P32912L 1.30 [33.02] .0039 715P32912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P62912L 1.30 [33.02] .0068 715P822912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P123912L 1.30 [33.02] .016 715P1393912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .023 715P339312M 1.70 [43.18] .024 715P473912M 1.70 [43.18] .039 715P339312M 1.70 [43.18] .030 715P339312M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .049 715P473912M 1.70 [43.18] .040 715P473912M 1.70 [43.18] .041 1.30 [33.02] .0056 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02]	0.55 [13.9 0.55 [13.9 0.60 [15.2 0.60 [15.2
.015 715P15398L 1.30 [33.02] .018 715P18398L 1.30 [33.02] .022 715P22398L 1.30 [33.02] .027 715P27398L 1.30 [33.02] .033 715P33398L 1.30 [33.02] .039 715P33398L 1.30 [33.02] .039 715P33398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .068 715P68398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P662912L 1.30 [33.02] .0068 715P562912L 1.30 [33.02] .0068 715P562912L 1.30 [33.02] .010 715P103912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P123912L 1.30 [33.02] .016 715P273912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .039 715P339912M 1.70 [43.18] .039 715P339912M 1.70 [43.18] .039 715P339912M 1.70 [43.18] .030 715P339916L 1.30 [33.02] .0018 715P22916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	0.55 [13.9 0.60 [15.2 0.60 [15.2
.018 715P18398L 1.30 [33.02] .022 715P22398L 1.30 [33.02] .027 715P27398L 1.30 [33.02] .033 715P33398L 1.30 [33.02] .039 715P33398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P6398M 1.70 [43.18] .068 715P6398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P273912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P329212L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0068 715P62912L 1.30 [33.02] .0068 715P62912L 1.30 [33.02] .0068 715P822912L 1.30 [33.02] .0062 715P822912L 1.30 [33.02] .010 715P13912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P13912L 1.30 [33.02] .014 715P13912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .016 715P153912L 1.30 [33.02] .017 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .023 715P339912M 1.70 [43.18] .033 715P339912M 1.70 [43.18] .034 715P183912M 1.70 [43.18] .035 715P339912M 1.70 [43.18] .037 715P473912M 1.70 [43.18] .039 715P339912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .048 715P832916L 1.30 [33.02] .0068 715P862916L 1.30 [33.02]	0.60 [15.2 0.60 [15.2
.022 715P22398L 1.30 [33.02] .027 715P27398L 1.30 [33.02] .033 715P33398L 1.30 [33.02] .039 715P39398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .056 715P68398M 1.70 [43.18] .068 715P8398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0066 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0062 715P392912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .016 715P153912L 1.30 [33.02] .017 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .033 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .030 715P33912M 1.70 [43.18] .031 .032 715P33912M 1.70 [43.18] .033 715P33912M 1.70 [43.18] .034 715P473912M 1.70 [43.18] .035 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [43.	0.60 [15.2
.027 715P27398L 1.30 [33.02] .033 715P33398L 1.30 [33.02] .039 715P33398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .068 715P68398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .0 .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .0 .0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .010 715P1392912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P13912L 1.30 [33.02] .015 715P13912L 1.30 [33.02] .016 715P13912L 1.30 [33.02] .017 715P13912L 1.30 [33.02] .018 715P13912L 1.30 [33.02] .019 715P13912L 1.30 [33.02] .011 715P13912L 1.30 [33.02] .012 715P13912L 1.30 [33.02] .013 715P33912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P333912M 1.70 [43.18] .039 715P339312M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0400000000000000000000000000000000000	
.027 715P27398L 1.30 [33.02] .033 715P33398L 1.30 [33.02] .039 715P33398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .068 715P68398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .0 .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .0 .0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .010 715P1392912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P13912L 1.30 [33.02] .015 715P13912L 1.30 [33.02] .016 715P13912L 1.30 [33.02] .017 715P13912L 1.30 [33.02] .018 715P13912L 1.30 [33.02] .019 715P13912L 1.30 [33.02] .011 715P13912L 1.30 [33.02] .012 715P13912L 1.30 [33.02] .013 715P33912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P333912M 1.70 [43.18] .039 715P339312M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0400000000000000000000000000000000000	
.033 715P33398L 1.30 [33.02] .039 715P39398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .068 715P68398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P332912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P62912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .01 715P123912L 1.30 [33.02] .01 715P123912L 1.30 [33.02] .01 715P123912L 1.30 [33.02] .01 715P123912L 1.30 [33.02] .01 715P13912L 1.30 [33.02] .01 715P13912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .033 715P33912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .030 715P473912M 1.70 [43.18] .031 .032 715P42916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P832916L 1.30 [33.02] .0039 715P832916L 1.30 [33.02] .0039 715P832916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02]	0.70 [17.7
.039 715P39398M 1.70 [43.18] .047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .068 715P68398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P392912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .010 715P103912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .016 715P153912L 1.30 [33.02] .017 715P173912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .023 715P33912M 1.70 [43.18] .024 715P33912M 1.70 [43.18] .035 715P33912M 1.70 [43.18] .036 715P33912M 1.70 [43.18] .037 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [4	0.70 [17.7
.047 715P47398M 1.70 [43.18] .056 715P56398M 1.70 [43.18] .068 715P68398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P392912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P103912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .016 715P153912L 1.30 [33.02] .017 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .023 715P33912M 1.70 [43.18] .033 715P33912M 1.70 [43.18] .034 715P473912M 1.70 [43.18] .035 715P473912M 1.70 [43.18] .036 715P473912M 1.70 [43.18] .037 715P473912M 1.70 [43.18] .038 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .0309 715P33912M 1.70 [43.18] .031 .032 .033 .02] .0047 715P473916L 1.30 [33.02] .0056 715P472916L 1.30 [33.02] .0037 715P472916L 1.30 [33.02] .0038 715P472916L 1.30 [33.02] .0039 715P472916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P662916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	0.70 [17.7
.056 715P56398M 1.70 [43.18] .088 715P88398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 1200 VDC/475 VAC** .0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P62912L 1.30 [33.02] .0068 715P62912L 1.30 [33.02] .0082 715P82912L 1.30 [33.02] .0082 715P82912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .01 715P13912L 1.30 [33.02] .015 715P159912L 1.30 [33.02] .016 715P183912L 1.30 [33.02] .017 715P183912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .023 715P33912M 1.70 [43.18] .033 715P33912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .050 VDC/500 VAC** .0018 715P472916L 1.30 [33.02] .0039 715P329216L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02]	0.70 [17.7
.068 715P68398M 1.70 [43.18] .082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .1 1200 VDC/475 VAC** .0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P392912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P682912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .010 715P103912L 1.30 [33.02] .011 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P13912L 1.30 [33.02] .016 715P183912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .022 715P23912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P333912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .047 715P473912M 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	0.80 [20.3
.082 715P82398M 1.70 [43.18] .1 715P10498M 1.70 [43.18] .0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P392912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P682912L 1.30 [33.02] .0068 715P822912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .01 715P13912L 1.30 [33.02] .01 715P13912L 1.30 [33.02] .01 715P183912L 1.30 [33.02] .01 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .022 715P273912M 1.70 [43.18] .033 715P33912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	0.80 [20.3
1 715P10498M 1.70 [43.18] 1200 VDC/475 VAC** .0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P392912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .01 715P13912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P273912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P33912M 1.70 [43.18] .039 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .002 715P472916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] <td>0.90 [22.8</td>	0.90 [22.8
1200 VDC/475 VAC** .0027	0.90 [22.8
.0027 715P272912L 1.30 [33.02] .0033 715P332912L 1.30 [33.02] .0039 715P392912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P13912L 1.30 [33.02] .012 715P13912L 1.30 [33.02] .015 715P13912L 1.30 [33.02] .016 715P13912L 1.30 [33.02] .017 715P13912L 1.30 [33.02] .018 715P13912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .047 715P473912M 1.30 [33.02] .0022 715P22916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P32916L 1.30 [33.02] .0039 715P32916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02]	
.0033 715P332912L 1.30 [33.02] .0039 715P392912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .01 715P123912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P33912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473916L 1.30 [33.02] .0020 715P22916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02] .0068 715P62916L 1.30 [33.02]	0.50 [12.7
.0039 715P392912L 1.30 [33.02] .0047 715P472912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P339312M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0018 715P473912M 1.70 [43.18] .0022 715P229916L 1.30 [33.02] .0033 715P272916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0047 715P472916	0.50 [12.7
.0047 715P472912L 1.30 [33.02] .0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .007 715P473912M 1.70 [43.18] .0018 715P43912M 1.70 [43.18] .0022 715P22916L 1.30 [33.02] .0023 715P22916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L <td>0.50 [12.7</td>	0.50 [12.7
.0056 715P562912L 1.30 [33.02] .0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0018 715P182916L 1.30 [33.02] .0022 715P22916L 1.30 [33.02] .0027 715P27916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P62916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	0.50 [12.7
.0068 715P682912L 1.30 [33.02] .0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] 1600 VDC/500 VAC** .0018 715P473912M 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P22916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.55 [13.9
.0082 715P822912L 1.30 [33.02] .01 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] 1600 VDC/500 VAC** .0018 715P182916L 1.30 [33.02] .0022 715P22916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.55 [13.9
.01 715P103912L 1.30 [33.02] .012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P33912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P472916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	0.60 [15.2
.012 715P123912L 1.30 [33.02] .015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P339912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	0.60 [15.2
.015 715P153912L 1.30 [33.02] .018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.65 [16.5
.018 715P183912M 1.70 [43.18] .022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P482916L 1.30 [33.02] .0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	0.65 [16.5
.022 715P223912M 1.70 [43.18] .027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0056 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.65 [16.5
.027 715P273912M 1.70 [43.18] .033 715P333912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02]	-
.033 715P333912M 1.70 [43.18] .039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .047 715P473912M 1.70 [43.18] .0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0056 715P682916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.65 [16.5
.039 715P393912M 1.70 [43.18] .047 715P473912M 1.70 [43.18]	0.75 [19.0
.047 715P473912M 1.70 [43.18]	0.75 [19.0
1600 VDC/500 VAC** .0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.85 [21.5
.0018 715P182916L 1.30 [33.02] .0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.85 [21.5
.0022 715P222916L 1.30 [33.02] .0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.50.40.3
.0027 715P272916L 1.30 [33.02] .0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.50 [12.7
.0033 715P332916L 1.30 [33.02] .0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.50 [12.7
.0039 715P392916L 1.30 [33.02] .0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.55 [13.9
.0047 715P472916L 1.30 [33.02] .0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.55 [13.9
.0056 715P562916L 1.30 [33.02] .0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.60 [15.2
.0068 715P682916L 1.30 [33.02] .0082 715P822916L 1.30 [33.02]	0.60 [15.2
.0082 715P822916L 1.30 [33.02]	0.65 [16.5
	0.65 [16.5
74504000101 4 00 500 003	0.70 [17.7
.01 715P103916L 1.30 [33.02]	0.70 [17.7
.012 715P123916M 1.70 [43.18]	0.75 [19.0
.015 715P153916M 1.70 [43.18]	0.75 [19.0
.018 715P183916M 1.70 [43.18]	-
.022 715P223916M 1.70 [43.18]	0.75 [19.0 0.85 [21.5
.027 715P273916M 1.70 [43.18]	-

Shaded items, when ordered as ± 5% tolerance with D3 leads, are standard capacitors in stock and available through the Sprague[®] Distribution Network. To complete the Type 715P Part Number, add the "D3" suffix and change the capacitance tolerance code number from a "9" to a "5" to indicate ± 5% (i.e., 715P10456LD3). Any other Part Number, value or type may easily be ordered as a Special.

^{** 60}Hz rms.



STANDARD MARKING FORMAT TOLERANCE CODES SAMPLE MARKING DESCRIPTION PER EIA STANDARDS Sprague® Identification 2715P200 V 2 $9 = \pm 10\%$ 5 = ± 5% 2 = ± 2% 1239 9340 715P Type Number 200 V DC Voltage Rating, Volts Capacitance and Tolerance Code 1239 9940 Weekly Date Code (i.e. 40th week for 1999)





Vishay

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