

FEATURES

- Low temperature coefficient
- High stability and high insulation resistance
- Wide frequency range
- Ideal for high frequency circuits, and measuring instruments
- Electrodes and lead are spot welded to reduce series resistance
- Low dissipation factor



23PW Series

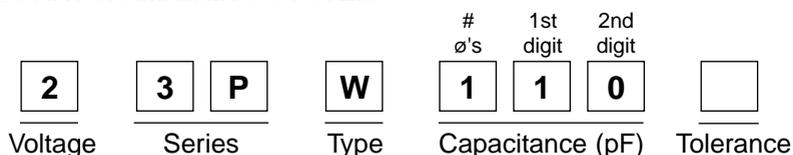


23PS Series

CHARACTERISTICS

Item	Characteristics
Operating Temperature Range	-40°C ~ +85°C
Capacitance Tolerance	±5% standard, other tolerances available upon request, ask for details
Standard Working Voltage (WV)	50, 125, 500
Insulation Resistance @ 25°C	100GΩ min.
Testing Voltage	300% of rated voltage for 1 minute
Dissipation Factor	0.1% maximum when measured @ 1KHz, 25°C for C>330pF
Quality Value (Q)	1,000 minimum when measured @ 1,000KHz, 25°C for C≤330pF
Load Life Test	@+85°C, 150% of WV for 1,000 hrs: C change is ≤2%; DF (or Q) is 0.15% max. (or 500min.); IR is 50GΩ min.
Lead Pull Test	Will withstand a pull of 1.0KG applied axially for 10 seconds
Lead Bend Test	Will sustain 2 cycles of attaching a load of 0.5KG to lead, bending 90° from the direction of lead egress, then 180° in opposite direction and back to the starting point.
Capacitance Drift	±0.5% maximum when cycled through the operating temperature range
Lead Material	Tinned copper
Humidity Test	@+40°C, 95% RH for 100 hrs: C change is ≤2%, DF is ≤0.15 or Q is ≥500, IR is ≥80GΩ

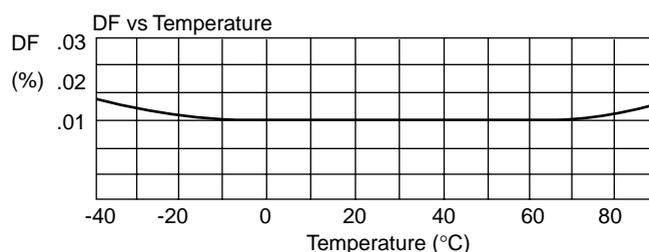
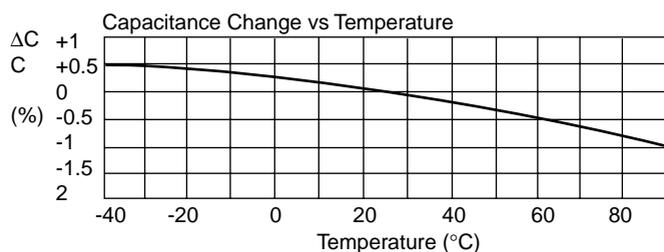
PART NUMBERING SYSTEM



Voltage Code:
2 = 50
1 = 125
5 = 500

Tolerance Code:
(blank) = ±5%
K = ±10%
M = ±20%

PERFORMANCE CURVE



■ DIMENSIONS



Unit: mm

VCD C SIZE (PF)	≤ 50VDC			160--250VDC			500--630VDC		
	D	L	dφ	D	L	dφ	D	L	dφ
100	6.0	12	0.4	6.0	12	0.4	6.0	12	0.4
120	6.0	12	0.4	6.0	12	0.4	6.0	12	0.4
150	6.0	12	0.4	6.0	12	0.4	6.0	12	0.4
180	6.0	12	0.4	6.0	12	0.4	6.0	12	0.4
220	6.0	12	0.4	6.0	12	0.4	6.0	12	0.4
270	6.0	12	0.4	6.0	12	0.4	6.0	12	0.4
330	6.0	12	0.4	6.0	12	0.4	6.0	12	0.4
390	6.0	12	0.4	6.0	12	0.4	6.0	12	0.4
470	6.0	12	0.4	6.0	12	0.4	6.5	12	0.4
560	6.0	12	0.4	6.0	12	0.4	6.5	12	0.4
680	6.0	12	0.4	6.0	12	0.4	7.0	12	0.4
820	6.0	12	0.4	6.0	12	0.4	7.0	12	0.4
1000	6.0	12	0.4	6.0	12	0.4	7.5	15	0.4
1200	6.0	12	0.4	6.0	12	0.4	7.5	15	0.4
1500	6.0	12	0.4	6.5	12	0.4	7.8	15	0.4
1800	6.5	12	0.4	6.5	12	0.4	8.0	15	0.4
2200	6.5	12	0.4	7.0	12	0.4	8.2	16	0.4
2700	6.5	12	0.4	7.0	12	0.4	8.5	16	0.4
3300	7.0	12	0.4	7.5	15	0.4	9.0	16	0.4
3900	7.0	12	0.4	8.0	15	0.4			
4700	7.5	14	0.4	8.0	15	0.4			
5600	7.5	14	0.4	8.5	15	0.4			
6800	8.0	14	0.4	9.0	15	0.4			
8200	8.5	14	0.4						
10000	9.0	14	0.4						

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