

Type 430P

Vishay Sprague



Metalized Polyester Film Capacitors Wrap-and-Fill



FEATURES

- Economical
- Extensive standard ratings
- Rugged construction
- Small size

PERFORMANCE CHARACTERISTICS

Operating Temperature: - 55°C to + 85°C.
Capacitance Range: 0.0047µF to 10.0µF.
Capacitance Tolerance: ± 20%, ± 10%, ± 5%.
DC Voltage Rating: 50 WVDC to 600 WVDC.
Dissipation Factor: 1.0% maximum.
Voltage Test: 200% of rated voltage for 2 minutes.

Insulation Resistance:

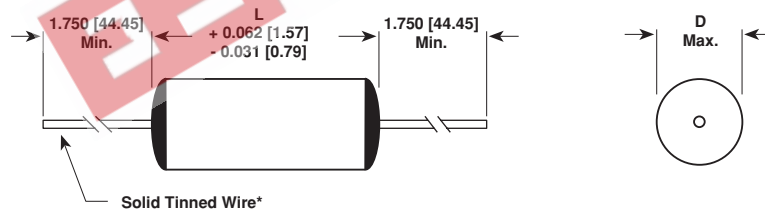
At + 25°C: 25,000 Megohm - Microfarads or 50,000 Megohm minimum. At + 85°C: 1000 Megohm - Microfarads or 2500 Megohm minimum.

Vibration Test (Condition B): No mechanical damage, short, open or intermittent circuits.

PHYSICAL CHARACTERISTICS

Lead Pull: 5 pounds (2.3 kilograms) for one minute. No physical damage.
Lead Bend: After three complete consecutive bends, no damage.
Marking: Sprague® trademark, type or part number, capacitance and voltage.
DC Life Test: 125% of rated voltage for 250 hours @ + 85°C. No open or short circuits. No visible damage. Maximum Δ CAP = ± 10%. Minimum IR = 50% of initial limit. Maximum DF = 1.25%.
Humidity Test: 95% relative humidity @ + 40°C for 250 hours, no visible damage. Maximum Δ CAP ± 10%. Minimum IR = 20% of initial limit. Maximum DF = 2.0%.

DIMENSIONS in inches [millimeters]



* Lead size: D Max. < 0.270 [6.86] 0.025 [0.64] (No. 22 AWG). D Max. ≥ 0.270 [6.86] 0.032 [0.81] (No. 20 AWG). Leads to be within ± 0.062" [1.57mm] of center line at egress but not less than 0.031" [0.79mm] from edge.

STANDARD RATINGS in inches [millimeters]

CAPACITANCE (µF)	PART NUMBER		CASE SIZE		LEAD AWG NO.
	± 10% TOLERANCE	± 5% TOLERANCE	D	L	
50 WVDC					
0.12	430P124X9050	430P124X5050	0.196 [4.98]	0.625 [15.88]	22
0.15	430P154X9050	430P154X5050	0.210 [5.33]	0.625 [15.88]	22
0.18	430P184X9050	430P184X5050	0.223 [5.66]	0.625 [15.88]	22
0.22	430P224X9050	430P224X5050	0.240 [6.10]	0.625 [15.88]	22
0.27	430P274X9050	430P274X5050	0.258 [6.55]	0.625 [15.88]	22
0.33	430P334X9050	430P334X5050	0.279 [7.09]	0.625 [15.88]	20
0.39	430P394X9050	430P394X5050	0.250 [6.35]	0.750 [19.05]	22
0.47	430P474X9050	430P474X5050	0.269 [6.83]	0.750 [19.05]	22
0.56	430P564X9050	430P564X5050	0.288 [7.32]	0.750 [19.05]	20
0.68	430P684X9050	430P684X5050	0.311 [7.90]	0.750 [19.05]	20
0.82	430P824X9050	430P824X5050	0.270 [6.86]	1.000 [25.40]	20

