

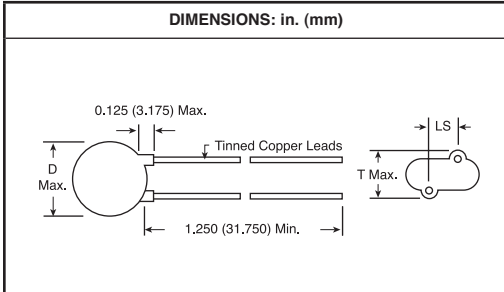
# VISHAY Ceramic Capacitors

## SPRAGUE 125L AND 440L SERIES: AC LINE RATED DISC CAPACITORS

Line By-Pass and Antenna Coupling Types, X and Y EMI/RFI Filter



LEAD-FREE RoHS Compliant



Case Code	Diameter (Max.)	Lead Spacing
D	.365 (9.3)	.378 (9.5)
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
G3	.460 (11.5)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
W	.740 (18.5)	.375 (9.4)
X	.830 (20.8)	.375 (9.4)
Y	.940 (23.5)	.375 (9.4)

### PERFORMANCE DATA

Test	125L	440L
Continuous Voltage Rating	250VAC, 2kVDC	250VAC, 4kVDC
Dielectric Strength	2000VAC, 4kVDC	3500VAC, 7kVDC
Dissipation Factor (@ +25°C)	1.50%	1.00%
Case Breakdown/Flammability	2500 VAC; UL94v0; + 105 C	
Temperature Characteristic (See Notes 1 and 2 below)	Z5U/Y5V	X5F
Insulation Resistance (Min.)	1000Ω F	1000Ω F

#### Notes:

- Permissible change with temperature: Y Type: +20%, -55% (reference 20°C); X Type: +20%, -80%.
- TC Class refers to ceramic classification. 125L are Class III, Y5V. 440L K tolerance are Class II, other 440L cases are Class III.

Ceramic Caps, Leaded

### 250 VAC, 2k VDC

For quantities greater than listed, call for quote.

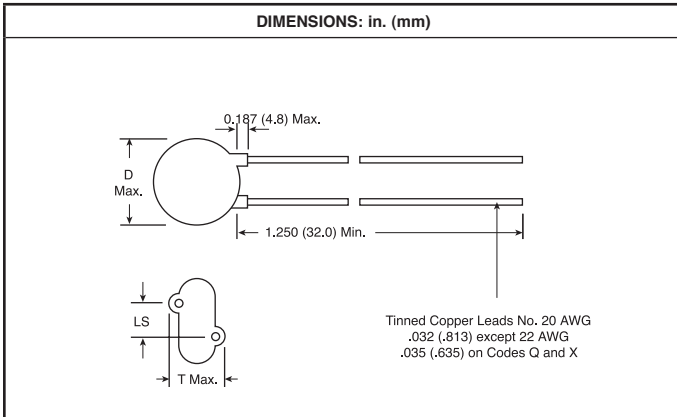
MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each			
					1	10	25	50
75-125LD10-R	1000	F	Y5V	20%	.92	.826	.724	.571
75-125LD22-R	2200	E	Y5V	20%	1.17	1.04	.917	.724
75-125LD47-R	4700	H	Y5V	20%	1.41	1.14	.907	.836
75-125LD50-R	5000	H3	Y5V	20%	1.03	.836	.663	.612
75-125LD68-R	6800	L	Y5V	20%	1.32	1.18	1.04	.815
75-125LS10-R	.01μF	L	Y5V	20%	1.35	1.20	1.13	.958
75-125LS20-R	.02μF	W	Y5V	20%	3.27	2.90	2.56	2.00
75-125LS30-R	.03μF	X	Y5V	20%	3.27	2.90	2.56	2.00
75-125LS50-R	.05μF	Y	Y5V	20%	6.05	5.37	4.73	3.71

### 250/500 VAC, 4000 VRms

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each			
					1	10	25	50
75-440LT22-R	220	E	X7R	10%	.62	.571	.469	.428
75-440LT33-R	330	F	X7R	10%	.62	.571	.469	.428
75-440LT47-R	470	E	Y5U	20%	.62	.571	.469	.428
75-440LD10-R	1000	G3	Y5U	20%	.69	.632	.53	.469
75-440LD15-R	1500	D	Y5U	20%	.69	.632	.53	.469
75-440LD22-R	2200	G3	Y5U	20%	.78	.71	.59	.53
75-440LD33-R	3300	J	Y5U	20%	.93	.856	.714	.642
75-440LD47-R	4700	L	Y5U	20%	1.25	1.14	.948	.856
75-440LS10-R	0.01μF	P	Y5U	20%	2.40	2.19	1.82	1.70

## SPRAGUE 564 SERIES: HIGH VOLTAGE DISC CAPACITORS



Tinned Copper Leads No. 20 AWG  
.032 (.813) except 22 AWG  
.035 (.635) on Codes Q and X

Case Code	Diameter (Max.)	Lead Spacing
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
F3	.400 (10.0)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
M	.790 (19.8)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
Q	.950 (24.1)	.375 (9.4)

### 3K Volt, 10% and 20% Tolerance

#### Features:

- Application Range: Up to 4000VDC, 1000VRMS
- Dissipation Factor: 2.0% maximum
- Insulation Resistance: 50,000MΩ minimum
- Dielectric Strength: 5,250VDC, 1500VRMS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each			
					1	10	25	50
75-564R30GAQ10	10	E	U2J	20%	.53	.469	.458	.447
75-564R30GAQ33	33	E	R3L	20%	.53	.469	.458	.447
75-564R30GAT10	100	E	X5F	20%	.53	.469	.458	.447
75-564R30GAT15	150	E	X5F	20%	.53	.469	.458	.447
75-564R30GAT22	220	E	X5F	20%	.53	.469	.458	.447
75-564R30GAT27	270	E	X5F	20%	.53	.469	.458	.438
75-564R30GAT33	330	E	X7R	20%	.53	.469	.458	.438
75-564R30GAT39	390	E	X7R	20%	.53	.469	.458	.447
75-564R30GAT47	470	E	X5S	20%	.53	.469	.458	.447
75-564R30GAT68	680	E	Y5U	20%	.53	.469	.458	.447
75-564R30GAD10	1000	E	Z5U	20%	.53	.469	.459	.438
75-564R30GAD15	1500	E	Z5U	20%	.59	.53	.51	.495
75-564R30GAD22	2200	F	Z5U	20%	.83	.744	.724	.693
75-564R30GAD33	3300	H	Z5U	20%	.73	.663	.632	.601
75-564R30GAD47	4700	J	Z5U	20%	1.51	1.35	1.29	1.24
75-564R30TSD47	4700	L	X7R	20%	1.37	1.35	1.30	1.27
75-564R30GAD68	6800	L	Z5U	20%	.74	.683	.677	.60
75-564R30GAD82	8200	M	Z5U	20%	2.19	1.76	1.41	1.29
75-564R30GAS10	0.01μF	M	Z5U	20%	1.30	1.27	1.21	1.16
75-564R30GASS10	0.01μF	L	Y5V	20%	1.05	.94	.92	.904

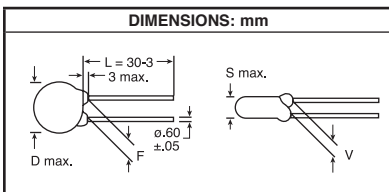
### 6K Volt, 20% Tolerance

#### Features:

- Application Range: Up to 60,000VDC, 1500VRMS
- Dissipation Factor: 2.0% maximum
- Insulation Resistance: 75,000MΩ minimum
- Dielectric Strength: 10,500VDC, 3000VRMS

MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each			
					1	10	25	50
75-564R60GAQ10	10	F3	NP0	20%	.73	.663	.632	.601
75-564R60GAQ33	33	F3	R3L	20%	.73	.663	.632	.601
75-564R30GAQ47	47	E	X5F	20%	.53	.469	.458	.447
75-564R60GAS10	0.01μF	P	Z5U	20%	5.23	4.21	3.88	3.57
75-564R60GAT10	100	F3	X5F	20%	1.51	1.35	1.29	1.24
75-564R60GAT33	330	F3	X5S	20%	.73	.663	.632	.62
75-564R60GAD10	1000	F3	Z5U	20%	.73	.663	.632	.62
75-564R60GAD22	2200	H3	Z5U	20%	.94	.846	.805	.794
75-564R60GAD47	4700	M	Z5U	20%	2.20	1.96	1.88	1.81

## ROEDERSTEIN WYO SERIES: CERAMIC AC CAPACITORS CLASS X1, 440VAC/CLASS Y2, 250VAC



#### Specifications:

- Design: ceramic disc with epoxy coating
- Rated voltage: 250VAC: 50/60Hz (Y2); 440VAC: 50Hz (X1)
- Coating: epoxy, dipped, insulating, flame retarding (UL94V-0)
- Approvals: IEC 60384-14/2, UL 1414, CSA C 22.2



MOUSER STOCK NO.	Value (pF)	Dimensions: mm			Price Each			
		F ±1	V ±.50	D	S	1	50	100
75-WYO102MCMBF0KR	1000	5	1.4	6.5	4.5	.25	.17	.15
75-WYO222MCMBF0KR	2200	5	1.4	9.0	4.5	.32	.27	.26
75-WYO252MCMBF0KR	2500	5	1.4	9.0	4.5	.32	.27	.26
75-WYO332MCMCF0KR	3300	7.5	1.4	10.0	4.5	.43	.36	.289
75-WYO472MCMBF0KR	4700	7.5	1.4	12.0	4.5	.38	.34	.33
75-WYO472MCMCF0KR	4700	7.5	1.4	12.0	4.5	.38	.34	.33
75-WYO103MCMCF0KR	0.01μF	7.5	1.6	21.0	4.5	1.18	1.03	.91
75-WYO123MCMCF0KR	0.012μF	7.5	1.6	21.0	4.5	1.16	.977	.86