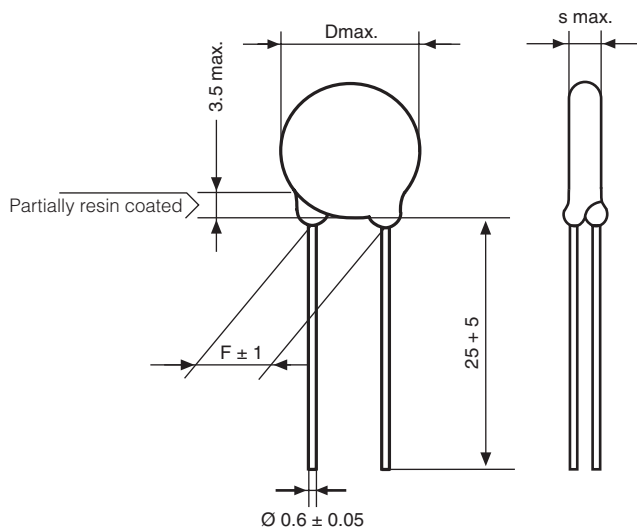


Ceramic Disc Capacitors, Class 1



* Dimensions in mm

DESIGN:

Disc capacitors with phenol resin coating



RoHS
COMPLIANT

RATED VOLTAGE U_R :

500 V_{DC}

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test

1250 V_{DC} 2 s

DISSIPATION FACTOR $\tan \delta$:

$C < \text{pF}$: see note in General Information

$C < 30 \text{ pF}$: $\leq \left(\frac{100}{C} + 7 \right) \cdot 10^{-4}$

$C \geq 30 \text{ pF}$: $\leq 10 \cdot 10^{-4}$

INSULATION RESISTANCE R_{is} :

$\geq 1 \cdot 10^{10} \Omega$

MARKING:

Capacitance value

Code acc. IEC 60062

Capacitance tolerance

with letter code

Ceramic dielectric

with colour band or letter code
(see General Information)

COATING:

Phenol resin, dipped

TEMPERATURE COEFFICIENT OF CAPACITANCE:

See diagrams in General Information

Other ceramic dielectrics are available on request

CATEGORY TEMPERATURE RANGE θ_A :

(- 40 to + 85) °C

TAPING AND SPECIAL LEAD CONFIGURATIONS:

On request

CLIMATIC CATEGORY ACC. TO EN 60068-1:

40 / 085 / 21

ORDERING INFORMATION

RLA	927	C	AQ	BY0	S1	R
MODEL	CAPACITANCE VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	RoHS COMPLIANT



ORDERING INFORMATION, CERAMIC DISC CAPACITORS, 500 V (DC)							
C (pF)	TOL. (%)	D x s (mm)	F ± 1 * (mm)	d ± 0.05 * (mm)	CERAMIC CODE	ORDERING CODE	
CLASS 1 P 100							
1.0	C < 10 pF ± 0.25 pF ± 0.5 pF	7.5 x 5.0	5.0	0.6	Red color dot or Letter A	RLA910 AQ S1R	
1.1		7.5 x 5.0				RLA911 AQ S1R	
1.2		7.5 x 5.0				RLA912 AQ S1R	
1.3		7.5 x 5.0				RLA913 AQ S1R	
1.5		7.5 x 5.0				RLA915 AQ S1R	
1.6		7.5 x 5.0				RLA916 AQ S1R	
1.8		7.5 x 5.0				RLA918 AQ S1R	
2.0		7.5 x 5.0				RLA920 AQ S1R	
2.2		7.5 x 5.0				RLA922 AQ S1R	
2.4		7.5 x 5.0				RLA924 AQ S1R	
2.7		7.5 x 5.0				RLA927 AQ S1R	
3.0		7.5 x 5.0				RLA930 AQ S1R	
3.3		7.5 x 5.0				RLA933 AQ S1R	
3.6		C ≥ 10 pF				7.5 x 5.0	RLA936 AQ S1R
3.9		± 5 %				7.5 x 5.0	RLA939 AQ S1R
4.3	± 10 %	10.0 x 5.0				RLA943 AQ S1R	
4.7		10.0 x 5.0				RLA947 AQ S1R	
5.1		10.0 x 5.0				RLA951 AQ S1R	
5.6		10.0 x 5.0				RLA956 AQ S1R	
6.2		10.0 x 5.0				RLA962 AQ S1R	
6.8		10.0 x 5.0				RLA968 AQ S1R	
7.5		10.0 x 5.0				RLA975 AQ S1R	
8.2		10.0 x 5.0				RLA982 AQ S1R	
9.1		14.0 x 5.0				RLA991 AQ S1R	
10		14.0 x 5.0	7.5			RLA100 AQ S1R	
CLASS 1 NP 0							
1.5	C < 10 pF ± 0.25 pF ± 0.5 pF	7.5 x 5.0	5.0	0.6	Black color dot or Letter C	RLC915 AQ S1R	
1.6		7.5 x 5.0				RLC916 AQ S1R	
1.8		7.5 x 5.0				RLC918 AQ S1R	
2.0		7.5 x 5.0				RLC920 AQ S1R	
2.2		7.5 x 5.0				RLC922 AQ S1R	
2.4		7.5 x 5.0				RLC924 AQ S1R	
2.7		7.5 x 5.0				RLC927 AQ S1R	
3.0		7.5 x 5.0				RLC930 AQ S1R	
3.3		7.5 x 5.0				RLC933 AQ S1R	
3.6		7.5 x 5.0				RLC936 AQ S1R	
3.9		7.5 x 5.0				RLC939 AQ S1R	
4.3		7.5 x 5.0				RLC943 AQ S1R	
4.7		7.5 x 5.0				RLC947 AQ S1R	
5.1		7.5 x 5.0				RLC951 AQ S1R	
5.6		7.5 x 5.0				RLC956 AQ S1R	
6.2	C ≥ 10 pF	7.5 x 5.0				RLC962 AQ S1R	
6.8	± 5 %	7.5 x 5.0				RLC968 AQ S1R	
7.5	± 10 %	7.5 x 5.0				RLC975 AQ S1R	
8.2		7.5 x 5.0				RLC982 AQ S1R	
9.1		7.5 x 5.0				RLC991 AQ S1R	
10		10.0 x 5.0				RLC100 AQ S1R	
11		10.0 x 5.0				RLC110 AQ S1R	
12		10.0 x 5.0				RLC120 AQ S1R	
13		10.0 x 5.0				RLC130 AQ S1R	
15		10.0 x 5.0				RLC150 AQ S1R	
16		14.0 x 5.0	7.5			RLC160 AQ S1R	
18		14.0 x 5.0				RLC180 AQ S1R	
20		14.0 x 5.0				RLC200 AQ S1R	
22		14.0 x 5.0				RLC220 AQ S1R	

* Standard lead configuration, other lead spacing and diameter available on request.

ORDERING CODE			
☐	7th digit	Capacitance tolerance	± 0.25 pF = C ± 0.5 pF = D ± 5 % = J ± 10 % = K
☐	10th / 11th / 12th digit	Lead configuration (See General Information)	
R	14th digit	RoHS Compliant Component	

ORDERING INFORMATION, CERAMIC DISC CAPACITORS, 500 V (DC)

C (pF)	TOL. (%)	D x s (mm)	F ± 1 * (mm)	d ± 0.05 * (mm)	CERAMIC CODE	ORDERING CODE	
CLASS 1 N 150							
2.2	<u>C < 10 pF</u> ± 0.25 pF ± 0.5 pF	7.5 x 5.0	5.0	0.6	Orange color dot or Letter P	RLP922 AQ S1R	
2.4		7.5 x 5.0				RLP924 AQ S1R	
2.7		7.5 x 5.0				RLP927 AQ S1R	
3.0		7.5 x 5.0				RLP930 AQ S1R	
3.3		7.5 x 5.0				RLP933 AQ S1R	
3.6		7.5 x 5.0				RLP936 AQ S1R	
3.9		7.5 x 5.0				RLP939 AQ S1R	
4.3		7.5 x 5.0				RLP943 AQ S1R	
4.7		7.5 x 5.0				RLP947 AQ S1R	
5.1		7.5 x 5.0				RLP951 AQ S1R	
5.6		7.5 x 5.0				RLP956 AQ S1R	
6.2		7.5 x 5.0				RLP962 AQ S1R	
6.8		7.5 x 5.0				RLP968 AQ S1R	
7.5		7.5 x 5.0				RLP975 AQ S1R	
8.2		7.5 x 5.0				RLP982 AQ S1R	
9.1	<u>C ≥ 10 pF</u> ± 5 % ± 10 %	7.5 x 5.0				RLP991 AQ S1R	
10		7.5 x 5.0				RLP100 AQ S1R	
11		10.0 x 5.0				RLP110 AQ S1R	
12		10.0 x 5.0				RLP120 AQ S1R	
13		10.0 x 5.0				RLP130 AQ S1R	
15		10.0 x 5.0				RLP150 AQ S1R	
16		10.0 x 5.0				RLP160 AQ S1R	
18		10.0 x 5.0				RLP180 AQ S1R	
20		10.0 x 5.0				RLP200 AQ S1R	
22		10.0 x 5.0				RLP220 AQ S1R	
24		10.0 x 5.0				RLP240 AQ S1R	
27		14.0 x 5.0				RLP270 AQ S1R	
30		14.0 x 5.0	RLP300 AQ S1R				
33		14.0 x 5.0	RLP330 AQ S1R				
CLASS 1 N 750							
3.3	<u>C < 10 pF</u> ± 0.25 pF ± 0.5 pF	7.5 x 5.0	5.0	0.6	Violet color dot or Letter U	RLU933 AQ S1R	
3.6		7.5 x 5.0				RLU936 AQ S1R	
3.9		7.5 x 5.0				RLU939 AQ S1R	
4.3		7.5 x 5.0				RLU943 AQ S1R	
4.7		7.5 x 5.0				RLU947 AQ S1R	
5.1		7.5 x 5.0				RLU951 AQ S1R	
5.6		7.5 x 5.0				RLU956 AQ S1R	
6.2		7.5 x 5.0				RLU962 AQ S1R	
6.8		7.5 x 5.0				RLU968 AQ S1R	
7.5		7.5 x 5.0				RLU975 AQ S1R	
8.2		7.5 x 5.0				RLU982 AQ S1R	
9.1		7.5 x 5.0				RLU991 AQ S1R	
10		7.5 x 5.0				RLU100 AQ S1R	
11		7.5 x 5.0				RLU110 AQ S1R	
12		7.5 x 5.0				RLU120 AQ S1R	
13		7.5 x 5.0				RLU130 AQ S1R	
15		7.5 x 5.0				RLU150 AQ S1R	
16		<u>C ≥ 10 pF</u> ± 5 % ± 10 %				7.5 x 5.0	RLU160 AQ S1R
18						7.5 x 5.0	RLU180 AQ S1R
20						7.5 x 5.0	RLU200 AQ S1R
22						7.5 x 5.0	RLU220 AQ S1R
24						7.5 x 5.0	RLU240 AQ S1R
27	7.5 x 5.0					RLU270 AQ S1R	
30	10.0 x 5.0					RLU300 AQ S1R	
33	10.0 x 5.0					RLU330 AQ S1R	
36	10.0 x 5.0					RLU360 AQ S1R	
39	10.0 x 5.0					RLU390 AQ S1R	
43	10.0 x 5.0					RLU430 AQ S1R	
47	10.0 x 5.0					RLU470 AQ S1R	
51	10.0 x 5.0					RLU510 AQ S1R	
56	10.0 x 5.0					RLU560 AQ S1R	
62	14.0 x 5.0		RLU620 AQ S1R				
68	14.0 x 5.0		RLU680 AQ S1R				

* Standard lead configuration, other lead spacing and diameter available on request.



ORDERING INFORMATION, CERAMIC DISC CAPACITORS, 500 V (DC)						
C (pF)	TOL. (%)	D x s (mm)	F ± 1 * (mm)	d ± 0.05 * (mm)	CERAMIC CODE	ORDERING CODE
CLASS 1 N 1500						
3.3	C < 10 pF ± 0.25 pF ± 0.5 pF	7.0 x 5.0	5.0	0.6	Orange / Orange color dots or Letter V	RLV933 AQ S1R
3.6		7.0 x 5.0				RLV936 AQ S1R
3.9		7.0 x 5.0				RLV939 AQ S1R
4.3		7.0 x 5.0				RLV943 AQ S1R
4.7		7.0 x 5.0				RLV947 AQ S1R
5.1		7.0 x 5.0				RLV951 AQ S1R
5.6		7.0 x 5.0				RLV956 AQ S1R
6.2		7.0 x 5.0				RLV962 AQ S1R
6.8		7.0 x 5.0				RLV968 AQ S1R
7.5		7.0 x 5.0				RLV975 AQ S1R
8.2		7.0 x 5.0				RLV982 AQ S1R
9.1		7.0 x 5.0				RLV991 AQ S1R
10		7.0 x 5.0				RLV100 AQ S1R
11		7.0 x 5.0				RLV110 AQ S1R
12		7.0 x 5.0				RLV120 AQ S1R
13		7.0 x 5.0				RLV130 AQ S1R
15		7.0 x 5.0				RLV150 AQ S1R
16		7.0 x 5.0				RLV160 AQ S1R
18		7.0 x 5.0				RLV180 AQ S1R
20	C ≥ 10 pF ± 5 % ± 10 %	7.0 x 5.0				RLV200 AQ S1R
22		7.0 x 5.0				RLV220 AQ S1R
24		7.0 x 5.0				RLV240 AQ S1R
27		7.0 x 5.0				RLV270 AQ S1R
30		7.0 x 5.0				RLV300 AQ S1R
33		7.0 x 5.0				RLV330 AQ S1R
36		7.0 x 5.0				RLV360 AQ S1R
39		7.0 x 5.0				RLV390 AQ S1R
43		7.0 x 5.0				RLV430 AQ S1R
47		7.0 x 5.0				RLV470 AQ S1R
51		10.0 x 5.0	RLV510 AQ S1R			
56		10.0 x 5.0	RLV560 AQ S1R			
62		10.0 x 5.0	RLV620 AQ S1R			
68		10.0 x 5.0	RLV680 AQ S1R			
75		10.0 x 5.0	RLV750 AQ S1R			
82		14.0 x 5.0	RLV820 AQ S1R			
91		14.0 x 5.0	RLV910 AQ S1R			
100		14.0 x 5.0	RLV101 AQ S1R			

* Standard lead configuration, other lead spacing and diameter available on request.

ORDERING CODE			
□	7th digit	Capacitance tolerance	± 0.25 pF = C ± 0.5 pF = D ± 5 % = J ± 10 % = K
□□□	10th / 11th / 12th digit	Lead configuration (See General Information)	
R	14th digit	RoHS Compliant Component	

ORDERING INFORMATION, CERAMIC DISC CAPACITORS, 500 V (DC)

C (pF)	TOL. (%)	D x s (mm)	F ± 1 * (mm)	d ± 0.05 * (mm)	CERAMIC CODE	ORDERING CODE
CLASS 1 N 2200						
5.6	C < 10 pF ± 0.25 pF ± 0.5 pF C ≥ 10 pF ± 5 % ± 10 %	7.0 x 5.0	5.0	0.6	Yellow / Orange color dots or Letter K	RLK956 AQ □ □ S1R
6.2		7.0 x 5.0				RLK962 AQ □ □ S1R
6.8		7.0 x 5.0				RLK968 AQ □ □ S1R
7.5		7.0 x 5.0				RLK975 AQ □ □ S1R
8.2		7.0 x 5.0				RLK982 AQ □ □ S1R
9.1		7.0 x 5.0				RLK991 AQ □ □ S1R
10		7.0 x 5.0				RLK100 AQ □ □ S1R
11		7.0 x 5.0				RLK110 AQ □ □ S1R
12		7.0 x 5.0				RLK120 AQ □ □ S1R
13		7.0 x 5.0				RLK130 AQ □ □ S1R
15		7.0 x 5.0				RLK150 AQ □ □ S1R
16		7.0 x 5.0				RLK160 AQ □ □ S1R
18		7.0 x 5.0				RLK180 AQ □ □ S1R
20		7.0 x 5.0				RLK200 AQ □ □ S1R
22		7.0 x 5.0				RLK220 AQ □ □ S1R
24		7.0 x 5.0				RLK240 AQ □ □ S1R
27		7.0 x 5.0				RLK270 AQ □ □ S1R
30		7.0 x 5.0				RLK300 AQ □ □ S1R
33		7.0 x 5.0				RLK330 AQ □ □ S1R
36		7.0 x 5.0				RLK360 AQ □ □ S1R
39		7.0 x 5.0				RLK390 AQ □ □ S1R
43		7.0 x 5.0				RLK430 AQ □ □ S1R
47		7.0 x 5.0				RLK470 AQ □ □ S1R
51		7.0 x 5.0				RLK510 AQ □ □ S1R
56		7.0 x 5.0				RLK560 AQ □ □ S1R
62		10.0 x 5.0				RLK620 AQ □ □ S1R
68		10.0 x 5.0				RLK680 AQ □ □ S1R
75		10.0 x 5.0				RLK750 AQ □ □ S1R
82		10.0 x 5.0				RLK820 AQ □ □ S1R
91		10.0 x 5.0				RLK910 AQ □ □ S1R
100		10.0 x 5.0				RLK101 AQ □ □ S1R
110		10.0 x 5.0				RLK111 AQ □ □ S1R
120		10.0 x 5.0				RLK121 AQ □ □ S1R
130	14.0 x 5.0	RLK131 AQ □ □ S1R				
150	14.0 x 5.0	RLK151 AQ □ □ S1R				
160	14.0 x 5.0	RLK161 AQ □ □ S1R				
180	14.0 x 5.0	RLK181 AQ □ □ S1R				
CLASS 1 N 5600						
36	± 5 % ± 10 %	7.0 x 5.0	5.0	0.6	Blue / Orange color dots or Letter M	RLM360 AQ □ □ S1R
39		7.0 x 5.0				RLM390 AQ □ □ S1R
47		7.0 x 5.0				RLM470 AQ □ □ S1R
56		7.0 x 5.0				RLM560 AQ □ □ S1R
68		7.0 x 5.0				RLM680 AQ □ □ S1R
82		7.0 x 5.0				RLM820 AQ □ □ S1R
100		7.0 x 5.0				RLM101 AQ □ □ S1R
120		7.0 x 5.0				RLM121 AQ □ □ S1R
150		10.0 x 5.0				RLM151 AQ □ □ S1R
180		10.0 x 5.0				RLM181 AQ □ □ S1R
220		10.0 x 5.0				RLM221 AQ □ □ S1R
270		10.0 x 5.0				RLM271 AQ □ □ S1R
330		10.0 x 5.0				RLM331 AQ □ □ S1R

* Standard lead configuration, other lead spacing and diameter available on request.

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ORDERING CODE			
□	7th digit	Capacitance tolerance	± 0.25 pF = C ± 0.5 pF = D ± 5 % = J ± 10 % = K
□□□	10th / 11th / 12th digit	Lead configuration (See General Information)	
R	14th digit	RoHS Compliant Component	



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