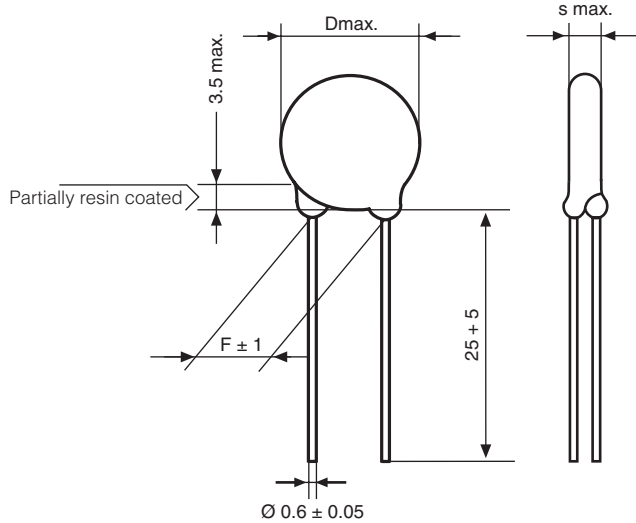


Ceramic Disc Capacitors, Class 1



* Dimensions in mm

COATING:

Phenol resin, dipped

TEMPERATURE COEFFICIENT OF CAPACITANCE:

See diagrams in General Information
Other ceramic dielectrics are available on request

TAPING AND SPECIAL LEAD CONFIGURATIONS:

On request

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 < pF : see note in General Information
C < 30 pF : $\leq \left(\frac{100}{C} + 7\right) \cdot 10^{-4}$
C ≥ 30 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)

CATEGORY TEMPERATURE RANGE θ_A :

(- 40 to + 85) °C

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 ± 5 % ± 10 %				7.5 x 5.0	RLA936 AQ S1R
3.9						7.5 x 5.0	RLA939 AQ S1R
4.3						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 ± 5 % ± 10 %				7.5 x 5.0	RLC962 AQ S1R
6.8						7.5 x 5.0	RLC968 AQ S1R
7.5						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	RLC160 AQ S1R					
18	14.0 x 5.0	RLC180 AQ S1R					
20	14.0 x 5.0	7.5	RLC200 AQ S1R				
22	14.0 x 5.0	7.5	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	C < 10 pF ± 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		C ≥ 10 pF ± 5 % ± 10 %				7.5 x 5.0	7.5	0.6	Orange color dot or Letter P	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	C < 10 pF ± 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		C ≥ 10 pF ± 5 % ± 10 %				7.5 x 5.0	7.5	0.6	Violet color dot or Letter U	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
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			
<input type="checkbox"/>	7th digit	Capacitance tolerance	± 0.25 pF = C ± 0.5 pF = D ± 5 % = J ± 10 % = K
<input type="checkbox"/>	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	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		C ≥ 10 pF ± 5 % ± 10 %				7.0 x 5.0	7.5	0.6	Yellow / Orange color dots or Letter K	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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