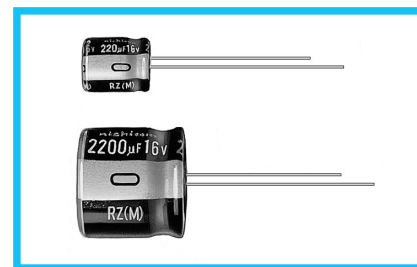
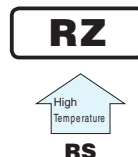


nichicon

Compact & Low-Profile Sized, Wide Temperature Range



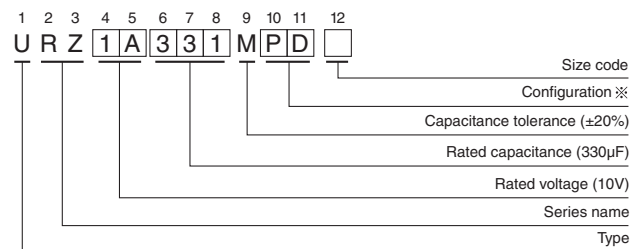
- Very small case sizes same as RS series, but operating over wide temperature range of -55 (-40) to $+105^{\circ}\text{C}$.
- Compliant to the RoHS directive (2011/65/EU).

[illegible]

Technical drawing of the cable head assembly. The side view shows a sleeve (P.E.T.) with a pressure relief vent (øB) and a cable with diameter ϕd . Dimensions include $\phi D \pm 0.5 \text{ MAX}$, $L + \alpha \text{ MAX}$, 15 MIN , and 4 MIN . The cross-sectional view shows the cable with a diameter of $\phi = 0.5$.

α	$(\phi D < 20)$ 1.5	(mm)								
	$(\phi D \geq 20)$ 2.0	ϕD	5	6.3	8	10	12.5	16	18	20
		P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0
		ϕd	0.5	0.5	0.6	0.6	0.6	0.8	0.8	1.0

- Type numbering system (Example : 10V 330 μ F)



✖ Configuration

ϕ D	Pb-free leadwire Pb-free PET sleeve
5 · 6.3	DD
8 · 10	PD
12.5 to 18	HD
20	RD

Please refer to page 20, 21, 22 about the formed or taped product spec.
Please refer to page 4 for the minimum order quantity.

●Dimension table in next page.

CAT.8100D

■ Dimensions

V		6.3		10		16		25		35		50	
Cap.(μF)	Code	0J		1A		1C		1E		1V		1H	
0.1	0R1											5 × 9	1.1
0.22	R22											5 × 9	2.3
0.33	R33											5 × 9	3.5
0.47	R47											5 × 9	5
1	010											5 × 9	12
2.2	2R2											5 × 9	18
3.3	3R3											5 × 9	25
4.7	4R7							5 × 9	20	5 × 9	25	5 × 9	30
10	100					5 × 9	30	5 × 9	35	5 × 9	40	5 × 9	46
22	220	5 × 9	25	5 × 9	40	5 × 9	50	5 × 9	55	5 × 9	60	5 × 9	65
33	330	5 × 9	40	5 × 9	55	5 × 9	60	5 × 9	70	5 × 9	75	6.3 × 9	85
47	470	5 × 9	55	5 × 9	65	5 × 9	70	5 × 9	80	6.3 × 9	95	6.3 × 9	100
100	101	5 × 9	90	5 × 9	95	6.3 × 9	115	6.3 × 9	130	8 × 9	155	10 × 9	170
220	221	6.3 × 9	145	6.3 × 9	155	8 × 9	205	10 × 9	220	10 × 9	235	10 × 12.5	290
330	331	6.3 × 9	180	8 × 9	210	10 × 9	240	10 × 9	270	10 × 12.5	340	12.5 × 12.5	370
470	471	8 × 9	235	8 × 9	275	10 × 9	290	10 × 12.5	370	12.5 × 12.5	420	16 × 15	540
1000	102	10 × 9	370	10 × 12.5	450	12.5 × 12.5	520	12.5 × 15	590	16 × 15	720	18 × 20	830
2200	222	12.5 × 15	635	12.5 × 15	690	16 × 15	830	18 × 15	970	18 × 20	1110	20 × 25	1250
3300	332	16 × 15	860	16 × 15	940	18 × 15	1050	18 × 20	1220	20 × 25	1430		
4700	472	16 × 15	1010	18 × 15	1120	18 × 20	1260	18 × 25	1470				
6800	682	18 × 15	1200	18 × 20	1330	18 × 25	1560						
10000	103	18 × 20	1450	18 × 25	1700							Case size φ D × L (mm)	Rated ripple

V		63		100		160		200		250		400	
Cap.(μF)	Code	1J		2A		2C		2D		2E		2G	
0.1	0R1			5 × 9	1.2								
0.22	R22			5 × 9	3								
0.33	R33			5 × 9	4.5								
0.47	R47			5 × 9	6.5								
1	010			5 × 9	12								
2.2	2R2			5 × 9	17								
3.3	3R3			5 × 9	25								
4.7	4R7			6.3 × 9	32								
10	100	5 × 9	42	6.3 × 9	50							16 × 15	100
22	220	6.3 × 9	71	8 × 9	93					16 × 15	200	● 18 × 15	200
33	330	8 × 9	100	10 × 9	130			16 × 15	250	● 18 × 15	250	18 × 20	250
47	470	8 × 9	120	10 × 12.5	165	16 × 15	300	● 18 × 15	300	Δ 18 × 20	300	★ 18 × 25	300
68	680					● 18 × 15	350	Δ 18 × 20	350	18 × 20	350	20 × 25	350
100	101	10 × 9	215	12.5 × 15	265	Δ 18 × 20	420	★ 18 × 25	420	18 × 25	420		
150	151					★ 18 × 25	510	18 × 25	510				
220	221	12.5 × 12.5	335	16 × 15	440	20 × 25	550						
330	331	12.5 × 15	510	18 × 15	540								
470	471	16 × 15	640									Case size φ D × L (mm)	Rated ripple

Rated ripple current (mA_{rms}) at 105°C 120Hz

Size φ 16 × 20 is available for capacitors marked "●"
 Size φ 20 × 15 is available for capacitors marked "Δ"
 Size φ 20 × 20 is available for capacitors marked "★"

In this case, [6] will be put at 12th digit of
 type numbering system.

● Frequency coefficient of rated ripple current

V	Cap.(μF)	Frequency	50Hz	120Hz	300Hz	1 kHz	10kHz or more
6.3 to 100	0.1 to 47		0.75	1.00	1.35	1.57	2.00
	100 to 470		0.80	1.00	1.23	1.34	1.50
	1000 to 10000		0.85	1.00	1.10	1.13	1.15
160 to 400	10 to 220		0.80	1.00	1.25	1.40	1.60