7mmL, For General Purposes

• Higher CV series with 7mm

 Standard miniature series with 7mm height. Compliant to the RoHS directive height.

USA Bi-polarized USP Smaller

7mmL, High CV



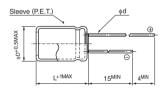
■ Specifications

(2011/65/EU).

		_									
Item	USA	USR									
Category Temperature Range	– 40 to +85°C			-40 to +85°C							
Rated Voltage Range	6.3 to 50V			4 to 50V							
Rated Capacitance Range	1 to 220µF			1 to 470µF							
Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.										
	Measurement frequency: 120Hz at 20°C										
Tangent of loss angle (tan δ)	Rated voltage (V) 4	6.3	10	16	2	25	35	50			
	tan δ (MAX.) 0.35	0.24	0.20	0.16	0.	.14	0.12	0.10			
	Measurement frequency : 120Hz										
	Rated voltage (V)	4	6.3	10	16	25	35	50			
Stability at Low Temperature	Impedance ratio Z-25°C / Z+20°C	6	4	3	2	2	2	2			
	ZT / Z20 (MAX.) Z-40°C / Z+20°C	12	8	6	4	4	3	3			
Endurance	The specifications listed at right shall be capacitors are restored to 20°C after the applied for 2000 hours at 85°C.		s tan δ	citance change Within ±20% of the initial capacitance value 200% or less than the initial specified value ge current Less than or equal to the initial specified value							
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.										
Marking	Printed with white color letter on black sleeve.										

USR

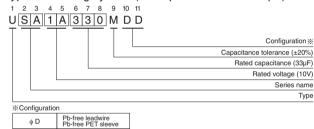
■ Radial Lead Type





				(111111)
φD	4	5	6.3	8
Р	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.5

Type numbering system (Example : USA : 10V 33µF)



■ Dimensions

V(Code) Type·Series Cap.(uF) Code		4 (0G)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
Cap.(µF)	pe•Series de	USR	USA	USR	USA	USR	USA	USR	USA	USR	USA	USR	USA	USR
1	010												4 × 7 10	4 × 7 10
2.2	2R2												4 × 7 19	4 × 7 19
3.3	3R3												4 × 7 24	4 × 7 24
4.7	4R7										4 × 7 24	4×7 24	5 × 7 29	4 × 7 28
10	100						4 × 7 28	4 <u>×7</u>	<u>5 × 7</u>	4 × 7 28	5 × 7 36	4 × 7	6.3 × 7 44	5 × 7 38
22	220		4 <u>×7</u>	4 <u>×</u> 7	<u>5 × 7</u> 38	4 × 7 35	<u>5 × 7</u>	-4×7 39	6.3 × 7	5 × 7 48	6.3 × 7 57	<u>5 × 7</u> 52	8 × 7 65	6.3×7 58
33	330	<u>4 × 7</u> 33	5×7 42	4×7 40	5 × 7 47	4×7 43	6.3 × 7 57	5 × 7 55	6.3 × 7	5 × 7 58	8 × 7 72	6.3 × 7 65		8 × 7 75
47	470	4 × 7 39	5 × 7	4×7 48	6.3×7 59	5 × 7	6.3 × 7 68	5×7 65	8 × 7 78	6.3 × 7		8×7		
100	101	5 × 7 65	6.3 × 7	5×7 78	8 × 7 96	6.3 × 7 87	8×7 107	6.3×7 98		8 × 7 115				
220	221	6.3 × 7 110	8 × 7 130	6.3 × 7 120		8 × 7 145		8 × 7 150						
330	331	8 × 7 165		8 × 7 180										
470	471	8 × 7 240											Case size ¢ Rated	

4 to 8

Rated ripple current (mArms) at 85°C 120Hz

Frequency coefficient of rated ripple current

		The second secon						
Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more			
Coefficient	0.70	1.00	1.17	1.36	1.50			

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

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USA0J220MDD USA0J221MDD USA0J330MDD USA0J470MDD USA1C100MDD USA1E330MDD
USA1E470MDD USA1H3R3MDD USA1H4R7MCA USA1H4R7MDD USA1V4R7MCA1TP USA1V4R7MDD
USA0J101MDD USA1A330MDD USA1A470MDD USA1E100MDD USA1E220MDD USA1H220MDD
USA1H2R2MCA USA1H2R2MDD USA1A101MDD USA1A220MDD USA1C330MDD USA1C470MDD
USA1E100MCA USA1H100MDD USA1HR47MDD USA1V100MDD USA1C101MDD USA1C220MDD
USA1H010MCA USA1H010MDD USA1H0R1MDD USA1HR22MDD USA1HR33MDD USA1V220MDD
USA1V330MDD USA1C100MDD1TE USA1C220MDD1TE USA1C470MDD1TP USA1E330MDD1TP
USA1H010MDD1TE USA1H2R2MDD1TE USA1V100MDD1TP USA1V100MDD1TE USA1V4R7MDD1TP
USA1V220MDD1TP USA1A330MCA USA1H100MDD1TE USA1H100MCA USA1H4R7MDD1TE
USA1A330MDD1TP USA1E470MDD1TP USA1E100MDD1TP USA1HR47MDD1TE USA0J101MDD1TP
USA1H2R2MDD1TP USA1H2R2MDD1BA USA1H100MDD1TP USA1H4R7MDD1TP USR1E470MDD1TE
USR1V100MDD1TP USR0J101MDD1TP USR1E330MDD1TP USR1E220MDD1TP USR0G221MDD1TP
USA1C100MDD1TP USR1V4R7MDD1TP USR1H010MDD1TP USR1C330MDD1TP USR1H4R7MDD1TE
USA1H010MDD1TP USR0J470MDD1TP USR1H4R7MDD1TP USR1C100MDD1TP USR1C220MDD1TP
USR1E101MDD1TD USR1V4R7MDD1TE USR1E220MDD1TE USA1A101MDD1TD USA1A470MDD1TE
USR0G470MDD1TP USR1E101MDD1TE USR1C100MDD1TE USA1A470MDD1TP USA0J221MDD1TD
USA1E330MDD1TE USR1H010MDD1TE USR1H100MDD1TE USR1H220MDD1TE
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