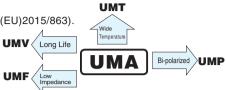
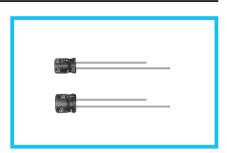


5mmL, Standard, For General Purposes



- •Standard series with 5mm height.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).

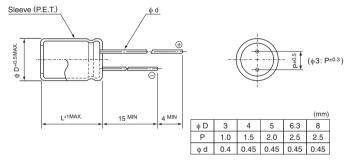




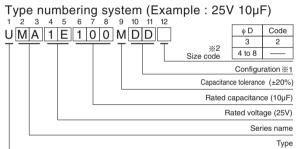
### ■Specifications

- Opeomeations			· ·										
Item	Performance Characteristics												
Category Temperature Range	-40 to +85°C												
Rated Voltage Range	lange 4 to 50V												
Rated Capacitance Range													
Rated Capacitance Tolerance													
Leakage Current	After 2 minutes' a	pplication c	plication of rated voltage at 20°C, leakage current is not more than 0.01CV or $3(\mu A)$ , whichever is greater										
	Measurement frequency : 120Hz at 20°C												
Tangent of loss angle (tan δ)	Rated voltage (V)	4	6.	3	10	16	25		35		50	Figures in (	) are for
	tan δ (MAX.)	0.35	0.24 (	0.30) 0.2	0 (0.24)	0.16 (0.20)	0.14 (0	.18)	0.12 (0.1	6) 0.1	0 (0.13)	UMR.	
	Measurement frequency: 120Hz												
Chalailin and Laur Tanananan	Rated vo	ltage (V)		4	6.3	10	16		25	35	50		
Stability at Low Temperature	Impedance ratio	Z-25°C / Z	+20°C	7	4	3	2		2	2	2		
	(MAX.)	Z-40°C / Z	+20°C	15	8	6	4		4	3	3		
	The specifications listed at right shall be met Capacitanea abanga   Within ±20% of the initial capacitanea value (LIMP & ± 3 product : Within ±25%)										- Mil OFO/)		
Frankrisses	when the capacitors are restored to 20°C after					Capacitance change tan δ			Within ±20% of the initial capacitance value (UMR & \phi 3 product : Within ±25%)  200% or less than the initial specified value				
Endurance	the rated voltage i		000 01111001		Less than or equal to the initial specified value								
	85°C. Leakage 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 co	olor letter on l	black sle	eeve.									

# ■Radial Lead Type



<sup>•</sup> Please refer to page 20 about the end seal configuration.



★1 Configuration

φD	Pb-free leadwire Pb-free PET sleeve
3	CD
4 to 8	DD

### ■ Dimensions

V 4 Cap.(μF) Code 0G			<b>6.3</b> 0J		10 1A		16 1C		<b>25</b> 1E		<b>35</b> 1V		50 1H		
		0G													
1	010										ļ			4×5(3×5)	8.4(8.0)
2.2	2R2				i		i				i	3×5	8.4	• 4×5	13(10)
3.3	3R3				i I		i i		i I	3×5	10	• 4×5	¦ 15(10)	4×5	17
4.7	4R7							3×5	10	• 4×5	16(12)	4×5	18	5×5	20
10	100			3×5	15			• 4×5	23(18)	5×5	27	5×5	29	6.3×5	33
22	220	3×5	19	• 4×5	28(21)	5×5	33	5×5	37	6.3×5	42	6.3×5	46	□ 8×5	52(48)
33	330	4×5	28	5×5	37	5×5	41	∘ 6.3×5	49 (43)	6.3×5	52	□ 8×5	62 (52)	8×5	71
47	470	4×5	33	5×5	45	∘ 6.3×5	52(43)	6.3×5	58	□ 8×5	70 (62)	8×5	80		
100	101	5×5	56	∘ 6.3×5	70 (68)	□ 8×5	80 (76)	□ 8×5	92 (86)	8×5	110		i		
220	221	6.3×5	96	□ 8×5	110(90)	8×5	135		1		I I		1		1
330	331	8×5	145	8×5	170						1			Case size	Rated
470	471	8×5	185				i						i	φD×L (mm)	ripple

Size  $\phi 3 \times 5$  is available for capacitors marked. " $\bullet$ "/ Size  $\phi 5 \times 5$  is available for capacitors marked. " $\circ$ " Size ∮6.3 x 5 is available for capacitors marked. "□" In such a case, MR will be put at 2nd and 3rd digit of type numbering system. Rated ripple current (mArms) at 85°C 120Hz ( ) =  $\phi$ 3 units and UMR.

## Frequency coefficient of rated ripple current

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.