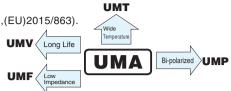


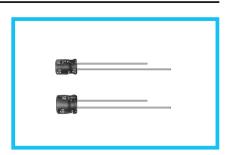
5mmL, Standard, For General Purposes



•Standard series with 5mm height.

• Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).

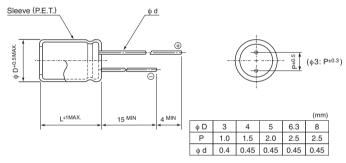




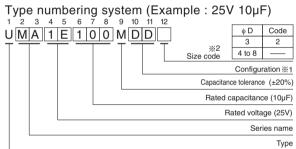
■Specifications

•													
Item	Performance Characteristics												
Category Temperature Range	-40 to +85°C												
Rated Voltage Range													
Rated Capacitance Range													
Rated Capacitance Tolerance													
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3(μA), whichever								ever 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 (0.16	0.1	0 (0.13)	UMR.	
	Measurement frequency: 120Hz												
Ctability at Law Tarrassantons	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 Capacitance change Within ±20% of the initial capacitance value (UMR & § 3 product : Within ±25%)									ot · Within ±25%			
Endurance	when the capacitors are restored to 20°C after					tan δ			200% or less than the initial specified value				
Endurance	the rated voltage i			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 c	olor letter on	black sl	eeve.									

■Radial Lead Type



[•] 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 1 010		6.3		10		16		25		35		50				
		0G	0G		OJ		1A		1C		1E		1V		1H	
							!							4×5(3×5)	8.4(8.0)	
2.2	2R2		i				i		i		i	3×5	8.4	• 4×5	13(10)	
3.3	3R3		l I		1		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		i	• 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		I I				I I		l I	
330	331	8×5	145	8×5	170		!		!		!		i i	Case size	Rated	
470	471	8×5	185											φD×L (mm)	ripple	

Size \$3 × 5 is available for capacitors marked. "●"/ Size \$5 × 5 is available for capacitors marked. "O" 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 () = ϕ 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.

Mouser Electronics

Authorized Distributor

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

Nichicon:

UMA0G101MDD UMA0G220MCD2 UMA0J100MCD2 UMA0J101MDD UMA1A221MDD UMA0G470MDD

UMA1A330MDD UMA1C4R7MCD2TP UMA1E100MDD UMA1E101MDD UMA0G331MDD UMA0G470MDD

UMA0G471MDD UMA1A101MDD UMA1A220MDD UMA1A220MDD1TE UMA1C330MDD UMA1C470MDD

UMA1C470MDD1TE UMA1C4R7MCD2 UMA0G221MDD UMA0G221MDD1TP UMA0G330MDD UMA0J330MDD

UMA0J331MDD UMA0J470MDD UMA1C101MDD UMA1C220MDD UMA1C220MDD1TP UMA0J220MDD

UMA0J221MDD UMA1A470MDD UMA1A470MDD1TP UMA1C100MDD UMA1C100MDD1TE UMA1C100MDD1TP

UMA1E220MDD UMA1E330MDD UMA1C100MCD2 UMA0G330MDD1TP UMA0J221MDD1TP UMA0G470MDD1TP

UMA0G471MDD1TP UMA0J330MDD1TP UMA0G331MDD1TP UMA1E101MDD1TP UMA0G101MDD1TP

UMA0J470MDD1TP UMA0G220MCD2TP UMA0J100MCD2TP UMA0J101MDD1TP UMA1A101MDD1TP

UMA1E100MDD1TP UMA1A220MDD1TP UMA0J331MDD1TP UMA0J220MDD1TP UMA1C330MDD1TP

UMA1C101MDD1TP UMA1A330MDD1TP UMA1H010MDD2TP UMA1H01MDD2TP UMA1HR22MDD2TP

UMA1HR33MDD2TP UMA1H010MCD2TP UMA1E220MDD1TP UMA1C470MDD1TP UMA1H010MCD2

UMA0J101MDD1TE UMA1E101MDD1TE UMA0G470MDD1TE UMA0J221MDD1TE UMA1C330MDD1TE