5mm 85°C MCUMR Series



RoHS Compliant



Features

- Developed short body length to 5mm, for the demand of smaller and thinner electronic equipment
- Most suitable for high-density electronic equipment, such as: automatic office machines, pocket calculators, car stereos and mini-audio sets, VCR, camera, CD-ROM, notebook

Specifications

l to me	Deufermenne							
Item	Performance							
Operating temperature range	-40°C to +85°C							
Rated working voltage range	4V DC to 50V DC							
Nominal capacitance range	0.1μF to 470μF							
Capacitance tolerance	±20% (at +20°C, 120 Hz)							
Leakage current	I = 0.01 CV or 3 (μA) after two minutes							
Dissipation factor (tan δ) (120 Hz / +20°C)	Working voltage (V)	4	6.3	10	16	25	35	50
	Maximum tan δ	0.35	0.24	0.2	0.16	0.14	0.12	0.1
Characteristics at high and low temperature (stability at 120 Hz)	Working voltage (V)	4	6.3	10	16	25	35	50
	-25°C / +20°C	7	4	3	2	2	2	2
	-40°C / +20°C	15	8	6	4	4	3	3
	After 1,000 hours application of DC rated working voltage at +85°C, The capacitor shall meet the following limits: Post test requirements at +20°C							
High temperature loading	Leakage current	£ the initial specified value						
	Capacitance change	£ ±20	% of initia	al measu	e			
	Dissipation factor (tan δ)	ion factor (tan δ) £ 200% of initial specified value						
Shelf life	After storage for 500 hours at +85°C with no voltage applied Post test requirements at +20°C same limits as high temperature loading							
Solvent proof	This capacitor can withstand circuit-board cleaning within 5 minutes dipped in Freon TE, TES at 40°C (ultrasonic also permitted) or in the steam of these cleaners							

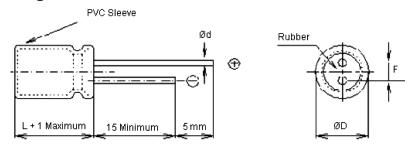
Newark.com/multicomp-pro Farnell.com/multicomp-pro Element14.com/multicomp-pro



5mm 85°C MCUMR Series



Diagram of Dimensions



ØD (+0.5 Maximum)	3	4	5	6.3	8
F (±0.5)	1	1.5	2	2.5	3.5
Ød (±0.02)	0.4	0.45	0.45	0.45	0.5

Dimensions: Millimetres

W.V. (SV)	l	6.3	10	16	25	35	50
μF	(5)	(8)	(13)	(20)	(32)	(44)	(63)
0.1	-	-	-	-	-		4 × 5 (3 ×5)
0.22	-	-	-	-	-		
0.33	-	-	-	-	-	R	
0.47	-	-	-	-	-	K	
1.0	-	-	-	-	-		
2.2	-	-	-	-	-		
3.3	-	-	-	-	R	4 × 5 (3 × 5)	4 × 5
4.7	-	-	-	R	4 × 5 (3 ×5)	4 × 5	5 × 5
10	-	-	R	4 × 5 (3 × 5)	4 × 5	5 × 5	6.3 × 5
22	R	4 × 5 (3 × 5)	4 × 5	4 × 5	5 × 5	6.3 × 5	8 × 5
33	4 × 5 (3 ×5)	4 × 5	4 ^ 5	5 × 5	6.3 × 5	8 × 5	-
47		4 < 5	5 × 5	6.3 × 5	0.5 ^ 5	0 ^ 5	-
100	R	5 × 5	6.3 × 5	0.5 * 5	8 × 5	-	-
220	K	6.3 × 5	8 × 5	8 × 5	-	-	-
330		8 × 5	-	-	-	-	-
470	8 × 5	-	-	-	-	-	-

 $3 \times 5 = UM3R$ Series

All blank voltage on sleeve marking is the same voltage as "R" point to

5mm 85°C MCUMR Series



Part Number Table

Description	Part Number			
Capacitor, 22µF, 6.3V	MCUMR6V3226M4X5			
Capacitor, 33µF, 6.3V	MCUMR6V3336M4X5			
Capacitor, 47µF, 6.3V	MCUMR6V3476M4X5			
Capacitor, 100µF, 6.3V	MCUMR6V3107M5X5			
Capacitor, 220µF, 6.3V	MCUMR6V3227M6.3X5			
Capacitor, 330µF, 6.3V	MCUMR6V3337M8X5			
Capacitor, 22µF, 10V	MCUMR10V226M4X5			
Capacitor, 33µF, 10V	MCUMR10V336M4X5			
Capacitor, 47µF, 10V	MCUMR10V476M5X5			
Capacitor, 100µF, 10V	MCUMR10V107M6.3X5			
Capacitor, 220µF, 10V	MCUMR10V227M8X5			
Capacitor, 10µF, 16V	MCUMR16V106M4X5			
Capacitor, 22µF, 16V	MCUMR16V226M4X5			
Capacitor, 33µF, 16V	MCUMR16V336M5X5			
Capacitor, 47µF, 16V	MCUMR16V476M6.3X5			
Capacitor, 100µF, 16V	MCUMR16V107M6.3X5			
Capacitor, 220µF, 16V	MCUMR16V227M8X5			
Capacitor, 4.7µF, 25V	MCUMR25V475M4X5			
Capacitor, 10µF, 25V	MCUMR25V106M4X5			
Capacitor, 22µF, 25V	MCUMR25V226M5X5			

Description	Part Number			
Capacitor, 33µF, 25V	MCUMR25V336M6.3X5			
Capacitor, 47µF, 25V	MCUMR25V476M6.3X5			
Capacitor, 100µF, 25V	MCUMR25V107M8X5			
Capacitor, 3.3µF, 35V	MCUMR35V335M4X5			
Capacitor, 4.7µF, 35V	MCUMR35V475M4X5			
Capacitor, 10µF, 35V	MCUMR35V106M5X5			
Capacitor, 22µF, 35V	MCUMR35V226M6.3X5			
Capacitor, 33µF, 35V	MCUMR35V336M8X5			
Capacitor, 47µF, 35V	MCUMR35V476M8X5			
Capacitor, 0.1µF, 50V	MCUMR50V104M4X5			
Capacitor, 0.22µF, 50V	MCUMR50V224M4X5			
Capacitor, 0.33µF, 50V	MCUMR50V334M4X5			
Capacitor, 0.47µF, 50V	MCUMR50V474M4X5			
Capacitor, 1µF, 50V	MCUMR50V105M4X5			
Capacitor, 2.2µF, 50V	MCUMR50V225M4X5			
Capacitor, 3.3µF, 50V	MCUMR50V335M4X5			
Capacitor, 4.7µF, 50V	MCUMR50V475M5X5			
Capacitor, 10µF, 50V	MCUMR50V106M6.3X5			
Capacitor, 22µF, 50V	MCUMR50V226M8X5			

Important Notice: This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro Farnell.com/multicomp-pro Element14.com/multicomp-pro

