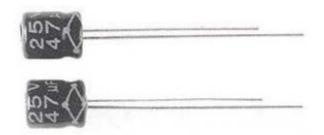
7mm 85°C MCMR Series





Features:

- Developed short body length to 7 m/m, 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:

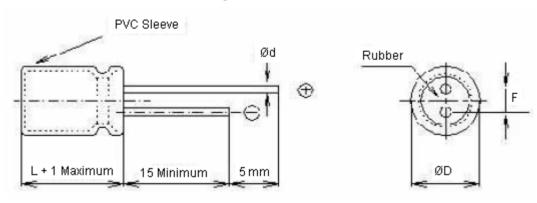
ltem	Performance							
Operating temperature range	-40°C to + 85°C							
Rated working voltage range	6.3 to 63 V dc							
Nominal capacitance range	0.1 to 470 μF							
Capacitance tolerance	±20% (at +20°C, 120 Hz)							
Leakage current	I = 0.01 C V or 3 (μA) after two minutes							
Dissipation factor (tan δ) (120 Hz / +20°C)	Working voltage (V)	6.3	10	16	25	35	50	63
	Maximum tan δ	0.24	0.2	0.16	0.14	0.12	0.1	0.08
Characteristics at high and law	Working voltage (V)	6.3	10	16	25	35	50	63
Characteristics at high and low temperature (stability at 120 Hz)	-25°C / +20°C	4	3	2	2	2	2	2
	-40°C / +20°C	8	6	4	4	3	3	3
High temperature loading	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 Leakage current £ the initial specified value Capacitance change £ ±20% of initial measured value							
	Dissipation factor (tan δ) £ 200% of initial specified value				llue			
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							
Sol vent 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							



7mm 85°C MCMR Series



Diagram of Dimensions



Dimensions : Millimetres

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

W.V. (SV)	6.3	10	16	25	35	50	63
μF	(8)	(13)	(20)	(32)	(44)	(63)	(79)
0.1	-	-	-	-		4×7	4 × 7
0.22	-	-	-	-			
0.33	-	-	-	-			
0.47	-	-	-	-	R		
1	-	-	-	-	K		
2.2	-	-	-	-			
3.3	-	-	-	-			
4.7	-	-	-	-			5 × 7
10	-	-	R	4 × 7	4 × 7	5 × 7	6.3 × 7
22	-	R	4 × 7	5 × 7	5 × 7	6.3 × 7	-
33		4 × 7	E v7	6.3 × 7	62 × 7	8 × 7 (8 × 9)	-
47		4 ^ /	5 ×7	6.3 × 7	0.5 ^ /		-
100	R	5 × 7	6.3 × 7	8 × 7 (8 × 9)	8 × 7 (8 × 9)	-	-
220		6.3 × 7	0 v 7 (0 v 0)	-	-	-	-
330		8 × 7 (8 × 9)	8 × 7 (8 × 9)		-	-	-
470	8 × 7 (8 x 9)	8 × 9	8 × 9	-	-	-	-

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



7mm 85°C MCMR Series



Part Number Table

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Description	Part Number					
CAPACITOR, 33 μF, 10 V	MCMR10 V336M4X7					
CAPACITOR, 47 μF, 10 V	MCMR10 V476M4X7					
CAPACITOR, 100 μF, 10 V	MCMR10 V107M5X7					
CAPACITOR, 220 μF, 10 V	MCMR10 V227M6.3X7					
CAPACITOR, 330 μF, 10 V	MCMR10 V337M8X7					
CAPACITOR, 470 μF, 10 V	MCMR10 V477M8X9					
CAPACITOR, 22 μF, 16 V	MCMR16 V226M4X7					
CAPACITOR, 33 μF, 16 V	MCMR16 V336M5X7					
CAPACITOR, 47 μF, 16 V	MCMR16 V476M5X7					
CAPACITOR, 100 μF, 16 V	MCMR16 V107M6.3X7					
CAPACITOR, 220 μF, 16 V	MCMR16 V227M8X7					
CAPACITOR, 330 μF, 16 V	MCMR16 V337M8X7					
CAPACITOR, 470 μF, 16 V	MCMR16 V477M8X9					
CAPACITOR, 10 μF, 25 V	MCMR25 V106M4X7					
CAPACITOR, 22 μF, 25 V	MCMR25 V226M5X7					
CAPACITOR, 33 μF, 25 V	MCMR25 V336M5X7					
CAPACITOR, 47 μF, 25 V	MCMR25 V476M6.3X7					
CAPACITOR, 100 μF, 25 V	MCMR25 V107M8X7					
CAPACITOR, 10 μF, 35 V	MCMR35 V106M4X7					
CAPACITOR, 22UF, 35 V	MCMR35 V226M5X7					
CAPACITOR, 33 μF, 35 V	MCMR35 V336M6.3X7					
CAPACITOR, 47 μF, 35 V	MCMR35 V476M6.3X7					
CAPACITOR, 100 μF, 35 V	MCMR35 V107M8X7					
CAPACITOR, 0.1 μF, 50 V	MCMR50 V104M4X7					
CAPACITOR, 0.22 μF, 50 V	MCMR50 V224M4X7					
CAPACITOR, 0.33 μF, 50 V	MCMR50 V334M4X7					
CAPACITOR, 0.47 μF, 50 V	MCMR50 V474M4X7					
CAPACITOR, 1 μF, 50 V	MCMR50 V105M4X7					
CAPACITOR, 2.2 μF, 50 V	MCMR50 V225M4X7					
CAPACITOR, 3.3 μF, 50 V	MCMR50 V335M4X7					

CAPACITOR, 4.7 μF, 50 V	MCMR50 V475M4X7
CAPACITOR, 10 μF, 50 V	MCMR50 V106M5X7
CAPACITOR, 22 μF, 50 V	MCMR50 V226M5X7
CAPACITOR, 33 μF, 50 V	MCMR50 V336M8X7
CAPACITOR, 47 μF, 50 V	MCMR50 V476M8X7
CAPACITOR, 0.1 μF, 63 V	MCMR63 V104M4X7
CAPACITOR, 0.22 μF, 63 V	MCMR63 V224M4X7
CAPACITOR, 0.33 μF, 63 V	MCMR63 V334M4X7
CAPACITOR, 0.47 μF, 63 V	MCMR63 V474M4X7
CAPACITOR, 1 μF, 63 V	MCMR63 V105M4X7
CAPACITOR, 2.2 μF, 63 V	MCMR63 V225M4X7
CAPACITOR, 3.3 μF, 63 V	MCMR63 V335M4X7
CAPACITOR, 4.7 μF, 63 V	MCMR63 V475M5X7
CAPACITOR, 10 μF, 63 V	MCMR63 V106M6.3X7

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