

Solid Tantalum Capacitor



**RoHS
Compliant**



Features

Small units with high stable performance, lower current leakage and dissipation factor, stable frequency and temperature and long life. Suitable for military equipment, computers, telephones and other electronic products.

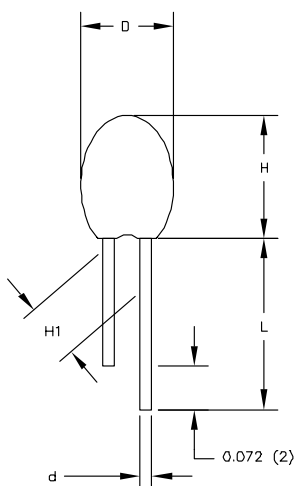
Specifications:

Performance Characteristics

High Reliability and Long Life : 1,000 to 2,000 hours
 Operating Temperature : -55°C to +125°C
 (with voltage derating at greater than +85°C)
 Rated DC Voltage : Please See Table
 Low DC Leakage Current : $I \leq 0.02C V$ or $1\mu A$, whichever is greater. (at 20°C)
 Broad Capacitance Range : 0.1 μF to 680 μF
 Low Dissipation Factor
 Miniature in Size

Characteristics Parameters

All data measured at 20°C
 Capacitance Range : 0.1 to 680 μF
 Capacitance Tolerance : $\pm 10\%$ & $\pm 20\%$
 Temperature : -55°C to +125°C
 Climatic Category : 55/125/10



Capacitance	Capacitance Tolerance	Voltage Rating	Case Size				Part Number
			D (max.)	H (max.)	H1 ($\pm 0.5mm$)	d	
1 μF	10%	25V DC	4	6	2.5	0.5	MCTAR25V105KA
0.1 μF	10%	35V DC	4	6	2.5	0.5	MCTAR35V104KA
1 μF	10%	35V DC	4	6	5	0.5	MCTAR35V105KA
0.1 μF	10%	50V DC	4	6	2.5	0.5	MCTAR50V104KA
10 μF	10%	10V DC	4.8	7.2	5	0.5	MCTAR10V106KB
10 μF	10%	16V DC	4.8	7.2	5	0.5	MCTAR16V106KC
2.2 μF	10%	35V DC	4.8	7.2	5	0.5	MCTAR35V225KB
1 μF	10%	50V DC	4.8	7.2	5	0.5	MCTAR50V105KB
10 μF	10%	25V DC	5.5	8	5	0.5	MCTAR25V106KC
10 μF	20%	25V DC	5.5	8	2.5	0.5	MCTAR25V106MC
4.7 μF	10%	35V DC	5.5	8	5	0.5	MCTAR35V475KD
22 μF	20%	25V DC	6	9.4	2.5	0.5	MCTAR25V226MD
10 μF	10%	35V DC	6	9.4	2.5	0.5	MCTAR35V106KE
22 μF	10%	35V DC	7.2	11.5	5	0.5	MCTAR35V226KG

Dimensions : Millimetres

www.element14.com
www.farnell.com
www.newark.com



Part Number Table

Description	Part Number
TAR 10 μ F 10V DC 10% B-CASE P=5	MCTAR10V106KB
TAR 10 μ F 16V DC 10% C-CASE P=5	MCTAR16V106KC
TAR 1 μ F 25V DC 10% A-CASE P=2.5	MCTAR25V105KA
TAR 10 μ F 25V DC 10% C-CASE P=5	MCTAR25V106KC
TAR 10 μ F 25V DC 20% C-CASE P=2.5	MCTAR25V106MC
TAR 22 μ F 25V DC 20% D-CASE P=2.5	MCTAR25V226MD
TAR 0.1 μ F 35V DC 10% A-CASE P=2.5	MCTAR35V104KA
TAR 1 μ F 35V DC 10% A-CASE P=5	MCTAR35V105KA
TAR 10 μ F 35V DC 10% E-CASE P=2.5	MCTAR35V106KE
TAR 2.2 μ F 35V DC 10% B-CASE P=5	MCTAR35V225KB
TAR 22 μ F 35V DC 10% G-CASE P=5	MCTAR35V226KG
TAR 4.7 μ F 35V DC 10% D-CASE P=5	MCTAR35V475KD
TAR 0.1 μ F 50V DC 10% A-CASE P=2.5	MCTAR50V104KA
TAR 1 μ F 50V DC 10% B-CASE P=5	MCTAR50V105KB

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell 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 is the registered trademark of the Group. © Premier Farnell plc 2012.