

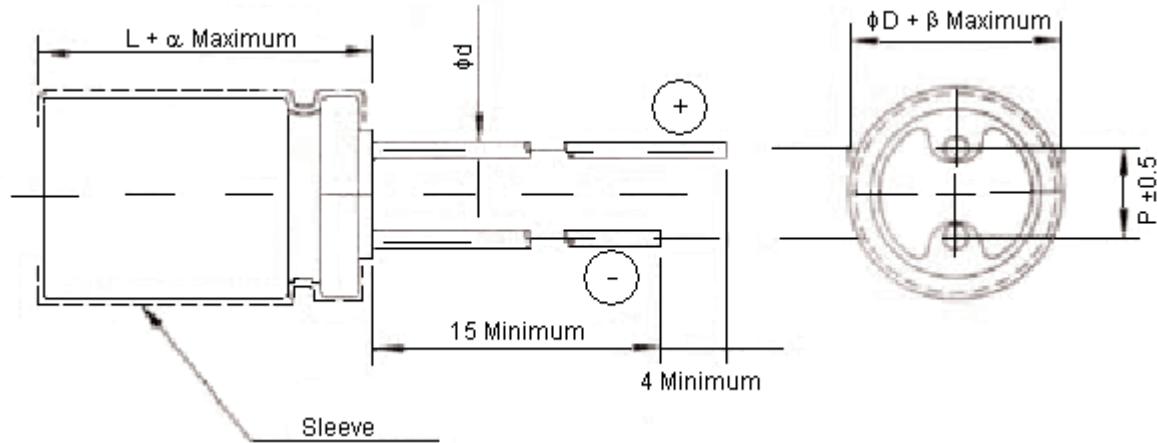


PART NO.

HT102M1CB-1021(E)

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Veena	25/04/09	Suresh	25/04/09	Farnell	08/05/09



Dimensions : Millimetres

L	21
ϕD	10
ϕd	0.6
α	2.0
β	1.0

Dimensions : Millimetres

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DRAWN BY:	DATE:
Shalini	25/04/09
CHECKED BY:	DATE:
Suresh	25/04/09
APPROVED BY:	DATE:
Farnell	08/05/09

DRAWING TITLE:

Capacitor 1000 μ F - 16V

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002100	77123_DWG	A
SCALE: NTS	U.O.M.: mm	SHEET: 1 OF 3	



PART NO.

HT102M1CB-1021(E)

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Item	Characteristic								
Operating Temperature Range	-40°C to +105°C								
Capacitance Tolerance	±20% (120Hz, 20°C)								
Capacitance	1000µF								
Rated Voltage	16V dc								
Surge Voltage	20V dc								
Leakage Current (at 20°C)	I ≤320µA after 2 minutes								
Dissipation Factor (Tan δ at 120Hz, 20°C)	≤17% (120Hz, 20°C)								
Ripple Current (rms 120Hz)	569mA, 105°C								
Low Temperature Characteristics (at 120Hz)	<table border="1"> <thead> <tr> <th colspan="2">Rated Voltage</th> <th>16V</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance Ratio</td> <td>Z (-25°C) / Z (+20°C)</td> <td>3</td> </tr> <tr> <td>Z (-40°C) / Z (+20°C)</td> <td>6</td> </tr> </tbody> </table>	Rated Voltage		16V	Impedance Ratio	Z (-25°C) / Z (+20°C)	3	Z (-40°C) / Z (+20°C)	6
	Rated Voltage		16V						
	Impedance Ratio	Z (-25°C) / Z (+20°C)	3						
Z (-40°C) / Z (+20°C)		6							
Load Life After 1000 Hours Application of Rated Voltage at 105°C, Capacitors Meet the Characteristics, Requirements Listed at Right.	<table border="1"> <tbody> <tr> <td>Leakage Current</td> <td>Initial specified value or less</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of specified value</td> </tr> </tbody> </table>	Leakage Current	Initial specified value or less	Capacitance Change	Within ±20% of initial value	Dissipation Factor	Less than 200% of specified value		
	Leakage Current	Initial specified value or less							
	Capacitance Change	Within ±20% of initial value							
Dissipation Factor	Less than 200% of specified value								
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours and applying voltage they meet the specified value for load life characteristics listed above.								
Standards	Satisfies characteristics W of JISC 5141								

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Jagan	25/04/09
CHECKED BY:	DATE:
Suresh	25/04/09
APPROVED BY:	DATE:
Farnell	08/05/09

DRAWING TITLE:			
Capacitor 1000µF - 16V			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002100	77123_DWG	A
SCALE: NTS		U.O.M.: mm	SHEET: 2 OF 3



PART NO.

HT102M1CB-1021(E)

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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Part Number Table

Description	Part Number
Capacitor, 1000µF, 16V	HT102M1CB-1021(E)

<http://www.farnell.com>

<http://www.newark.com>

<http://www.cpc.co.uk>

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DRAWN BY:

Jagan

CHECKED BY:

Suresh

APPROVED BY:

Farnell

DATE:

25/04/09

DATE:

25/04/09

DATE:

08/05/09

DRAWING TITLE:

Capacitor 1000µF - 16V

SIZE
A DWG NO.

M10002100

ELECTRONIC FILE
77123_DWG

REV
A

SCALE: NTS

U.O.M.: mm

SHEET: 3 OF 3