

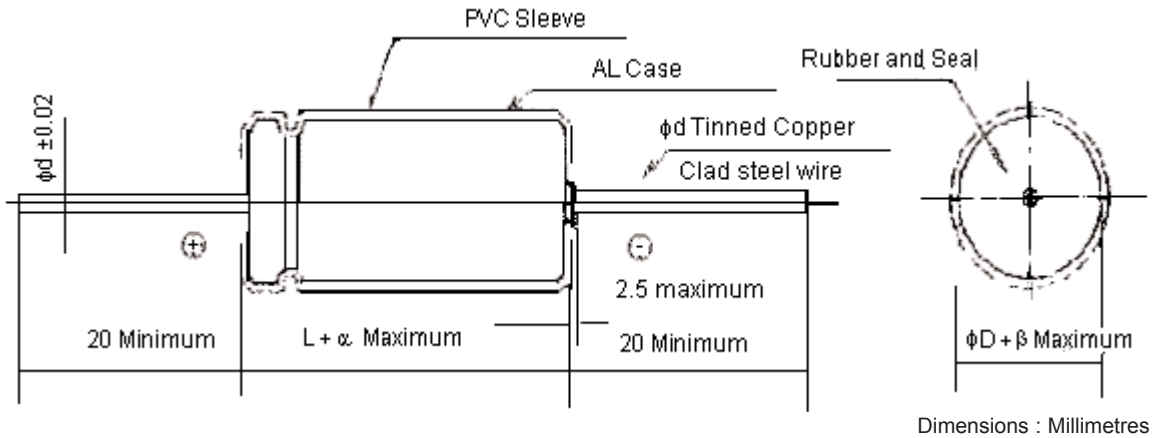


PART NO.

HT472M1VB-2242(E)

REVISIONS

| ECN # | REV | DESCRIPTION | DRAWN | DATE     | CHECKD | DATE     | APPRVD  | DATE     |
|-------|-----|-------------|-------|----------|--------|----------|---------|----------|
| -     | A   | RELEASED    | Jagan | 06/04/09 | Suresh | 06/04/09 | Farnell | 24/04/09 |



Dimensions : Millimetres

|    |     |
|----|-----|
| L  | 42  |
| φD | 22  |
| φd | 0.8 |
| α  | 2.0 |
| β  | 1.0 |

Dimensions : Millimetres

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|              |          |
|--------------|----------|
| DRAWN BY:    | DATE:    |
| Shalini      | 06/04/09 |
| CHECKED BY:  | DATE:    |
| Suresh       | 06/04/09 |
| APPROVED BY: | DATE:    |
| Farnell      | 24/04/09 |

DRAWING TITLE:

4700μF Capacitor - 35V

|            |            |                 |     |
|------------|------------|-----------------|-----|
| SIZE       | DWG NO.    | ELECTRONIC FILE | REV |
| A          | M10002060  | 67815_DWG       | A   |
| SCALE: NTS | U.O.M.: mm | SHEET: 1 OF 3   |     |



PART NO.

HT472M1VB-2242(E)

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| Item   | Characteristic   |                 |                                 |                    |                              |                       |                                   |                       |   |
|--|--|-----------------|---------------------------------|--------------------|------------------------------|-----------------------|-----------------------------------|-----------------------|---|
| Operating Temperature Range  | -40°C to +105°C  |                 |                                 |                    |                              |                       |                                   |                       |   |
| Capacitance Tolerance  | ±20% (120Hz, 20°C)   |                 |                                 |                    |                              |                       |                                   |                       |   |
| Capacitance  | 4700µF   |                 |                                 |                    |                              |                       |                                   |                       |   |
| Rated Voltage  | 35V dc   |                 |                                 |                    |                              |                       |                                   |                       |   |
| Surge Voltage  | 44V dc   |                 |                                 |                    |                              |                       |                                   |                       |   |
| Leakage Current (at 20°C)  | I ≤3290µA after 2 minutes  |                 |                                 |                    |                              |                       |                                   |                       |   |
| Dissipation Factor (Tan δ at 120Hz, 20°C)  | ≤18% (120Hz, 20°C)   |                 |                                 |                    |                              |                       |                                   |                       |   |
| Ripple Current (rms 120Hz)   | 1878mA, 105°C  |                 |                                 |                    |                              |                       |                                   |                       |   |
| Low Temperature Characteristics (at 120Hz)   | <table border="1"> <thead> <tr> <th colspan="2">Rated Voltage</th> <th>35V</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>8</td> </tr> </tbody> </table>                  | Rated Voltage   |                                 | 35V                | Impedance Ratio              | Z (-25°C) / Z (+20°C) | 3                                 | Z (-40°C) / Z (+20°C) | 8 |
| Rated Voltage  |  | 35V             |                                 |                    |                              |                       |                                   |                       |   |
| Impedance Ratio  | Z (-25°C) / Z (+20°C)  | 3               |                                 |                    |                              |                       |                                   |                       |   |
|  | Z (-40°C) / Z (+20°C)  | 8               |                                 |                    |                              |                       |                                   |                       |   |
| 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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|---------------------|--------------|
| <b>DRAWN BY:</b>    | <b>DATE:</b> |
| Jagan               | 06/04/09     |
| <b>CHECKED BY:</b>  | <b>DATE:</b> |
| Suresh              | 06/04/09     |
| <b>APPROVED BY:</b> | <b>DATE:</b> |
| Farnell             | 24/04/09     |

|                        |                |                        |                      |
|------------------------|----------------|------------------------|----------------------|
| <b>DRAWING TITLE:</b>  |                |                        |                      |
| 4700µF Capacitor - 35V |                |                        |                      |
| <b>SIZE</b>            | <b>DWG NO.</b> | <b>ELECTRONIC FILE</b> | <b>REV</b>           |
| A                      | M10002060      | 67815_DWG              | A                    |
| <b>SCALE: NTS</b>      |                | <b>U.O.M.: mm</b>      | <b>SHEET: 2 OF 3</b> |



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HT472M1VB-2242(E)

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|       |     |             |       |          |        |          |         |          |

Part Number Table

| Description            | Part Number       |
|------------------------|-------------------|
| Capacitor, 4700µF, 35V | HT472M1VB-2242(E) |

<http://www.farnell.com>

<http://www.newark.com>

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

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Jagan

CHECKED BY:

Suresh

APPROVED BY:

Farnell

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DATE:

06/04/09

DATE:

24/04/09

DRAWING TITLE:

4700µF Capacitor - 35V

| SIZE       | DWG NO.   | ELECTRONIC FILE | REV           |
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| A          | M10002060 | 67815_DWG       | A             |
| SCALE: NTS |           | U.O.M.: mm      | SHEET: 3 OF 3 |