



| PRODUCT FAMILY                                                                    | DESCRIPTION                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDOOR RF PASSIVES                                                                | FILTERS : INTERNET OPTIMIZER                                                                                                                                                                                                                                                                                              |
|                                                                                   | FEATURES                                                                                                                                                                                                                                                                                                                  |
|  | <ul style="list-style-type: none"> <li>&gt;&gt; Push-on feature for quick and easy installation on existing TV-FM wall outlets</li> <li>&gt;&gt; Very low return path attenuation</li> <li>&gt;&gt; High TV-DATA port isolation performance</li> <li>&gt;&gt; Two separate ports: cable modem-TV ports (F-IEC)</li> </ul> |

## SPECIFICATIONS

| INSERTION LOSS – TV OUTPUT   |           |           |           |
|------------------------------|-----------|-----------|-----------|
| Frequency (MHz)              | Min. (dB) | Typ. (dB) | Max. (dB) |
| 5 - 40                       | 50        | 55        |           |
| 40 - 65                      | 40        | 45        |           |
| 83 - 862                     |           | 4.0       | 4.5       |
| 862 - 1006                   |           | 4.5       | 5.0       |
| INSERTION LOSS – DATA OUTPUT |           |           |           |
| 5 - 60                       |           | 0.5       | 1.0       |
| 60 - 65                      |           | 1.0       | 1.5       |
| 83 - 862                     |           | 4.0       | 4.5       |
| 862 - 1006                   |           | 4.5       | 5.0       |
| ISOLATION – TV TO DATA       |           |           |           |
| 5 - 40                       | 50        | 55        |           |
| 40 - 65                      | 40        | 45        |           |
| 83 - 1006                    | 20        | 22        |           |
| RETURN LOSS – RL IN          |           |           |           |
| 5 - 65                       | 18        | 20        |           |
| 83 - 1006                    | 15        | 17        |           |
| RETURN LOSS – RL DATA        |           |           |           |
| 5 - 65                       | 18        | 20        |           |
| 83 - 1006                    | 12        | 15        |           |
| RETURN LOSS – RL TV          |           |           |           |
| 83 - 1006                    | 15        | 17        |           |

## GENERAL SPECIFICATIONS

|                       |                                 |
|-----------------------|---------------------------------|
| Nominal impedance     | 75 Ohm                          |
| Housing               | Aluminium die-cast              |
| Dimensions h x w x d  | 25 x 36 x 18 mm                 |
| Weight                | 0,043 kg                        |
| Connectors            |                                 |
| Input                 | IEC-female 15mm                 |
| TV output             | IEC-male 12mm                   |
| DATA output           | F-female                        |
| EMC compatibility     | Class A according to EN 50083-2 |
| Operating temperature | 0° ... +55°C                    |
| <b>Notes</b>          |                                 |

## ORDERING INFORMATION

|                   |                    |
|-------------------|--------------------|
| <b>IOF-C 4/83</b> | Internet Optimizer |
|-------------------|--------------------|