

| PRODUCT FAMILY                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FILTERS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>IOF-C 4/83<br/>INTERNET OPTIMIZER</b>                                                                                                                                                                                                                                                                                                                               |
| FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                        |
|  <p>The image shows a small, rectangular, blue and silver electronic device. It has two coaxial ports at the bottom. The top face is blue with white text: 'TELESTE', 'INTERNET OPTIMIZER', 'IOF-C 4/83'. Below this, it specifies frequency ranges: 'DATA 5 - 65 MHz', '83 - 1218 MHz' and 'TV 83 - 1218 MHz'. There is also a CE mark and a crossed-out trash can symbol.</p> | <ul style="list-style-type: none"> <li>&gt;&gt; <b>PUSH-ON FEATURE</b> for quick and easy installation on existing TV-FM wall outlets</li> <li>&gt;&gt; <b>VERY LOW</b> return path attenuation</li> <li>&gt;&gt; <b>HIGH</b> TV-DATA port <b>ISOLATION</b> performance</li> <li>&gt;&gt; Two separate ports: <b>CABLE MODEM</b> and <b>TV PORT</b> (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       |
| 1006 - 1218                  |           | 5.5       | 5.8       |
| 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       |
| 1006 - 1218                  |           | 5.0       | 5.8       |
| ISOLATION – TV TO DATA       |           |           |           |
| 5 - 40                       | 50        | 55        |           |
| 40 - 65                      | 40        | 45        |           |
| 83 - 1006                    | 20        | 22        |           |
| 1006 - 1218                  | 15        | 17        |           |
| RETURN LOSS – RL IN          |           |           |           |
| 5 - 65                       | 18        | 20        |           |
| 83 - 1006                    | 15        | 17        |           |
| 258 - 1218                   | 10        | 12        |           |
| RETURN LOSS – RL DATA        |           |           |           |
| 5 - 65                       | 18        | 20        | -         |
| 83 - 1006                    | 12        | 15        | -         |
| 1006 - 1218                  | 10        | 12        | -         |
| RETURN LOSS – RL TV          |           |           |           |
| 83 - 1006                    | 15        | 17        | -         |
| 1006 - 1218                  | 10        | 12        | -         |

## GENERAL SPECIFICATION

|                          |                                   |                                              |                |
|--------------------------|-----------------------------------|----------------------------------------------|----------------|
| <b>Nominal impedance</b> | 75 Ohm                            | <b>Housing</b>                               | Zamak die-cast |
| <b>Dimensions</b>        | 26 x 36 x 18 mm                   | <b>Weight</b>                                | 0.043 Kg       |
| <b>Connectors</b>        | Input<br>TV output<br>DATA output | IEC female 15mm<br>IEC male 12mm<br>F female |                |
| <b>EMC compatibility</b> | Class A according to EN 50083-2   | <b>Operating temperature</b>                 | 0 - +55°C      |
| <b>Notes:</b>            |                                   |                                              |                |

## ORDERING INFORMATION

|                   |                                           |
|-------------------|-------------------------------------------|
| <b>IOF-C 4/83</b> | Internet optimizer 5-65 MHz / 83-1218 MHz |
|-------------------|-------------------------------------------|