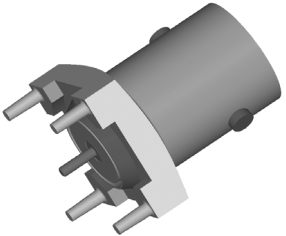


# Product data sheet

IMS CONNECTOR SYSTEMS GmbH  
 Obere Hauptstrasse 30  
 D-79843 Löffingen  
 Postfach 1141  
 D-79840 Löffingen

Tel (+49) 7654 901-0  
 Fax (+49) 7654 901-199  
 Net: www.imscs.com  
 E-mail: sales@imscs.com

|   |       |  |  |
|---|-------|--|--|
| <b>Part Number: 1720.05.2510.005</b><br><b>Description: p.c.b. mount jack</b> |       | Revision: -<br>Date: 12.11.2004<br>Signature: U. Mayer<br>Page: 1 of 2 |  |
| <u>Design according to:</u>   |       | <b>IEC 169-08 (Type BNC)</b>   |  |
| <u>Electrical characteristics</u>   |       | colored value means: still under test target value                     |  |
|   | Value | Unit   | Picture  |
| Impedance ( MIL-C- 39012B)  | 50    | [Ω]  |  |
| Operating frequency up to   | 6     | [GHz]  |  |
| Return loss   |       |  |  |
| 1 GHz   | 33    | [dB]   |  |
| 2 GHz   | 30    | [dB]   |  |
| 4 GHz   | 21    | [dB]   |  |
| 6 GHz   | 18    | [dB]   |  |
| 10 GHz  |       | [dB]   |  |
| 18 GHz  |       | [dB]   |  |
| 3rd. Order PIM product 2x43dBm  | /     | [dBc]  |  |
| Insulation resistance   | 5     | [GΩ]   | at 910MHz / at 1870 MHz  |
| Contact resistance  |       |  |  |
| Centre contact  | 2,5   | [mΩ]   |  |
| Outer contact   | 1,0   | [mΩ]   |  |
| Contact current max. (DC)   | 4     | [A]  |  |
| Operating voltage   | 500   | [V]  |  |
| Proof voltage   | 1000  | [V]  |  |
| <u>Mechanical characteristics</u>   |       |  |  |
|   | Value | Unit   | Remarks  |
| Engagement force  |       | [N]  |  |
| Separating force  |       | [N]  |  |
| Mating cycles   | >500  |  |  |

