PRODUCT SPECIFICATIONS

(HBCP-D25HDA)

1. Scope This product specification covers the performance of CANARE Micro BNC Plug.

2. General Specifications

(1) Product name Micro BNC Plug
(2) Model name HBCP-D25HDA
(3) Nominal impedance 75Ω unbalanced
(4) Construction As shown in the drawing (BL598)
(5) Weight Approx 6.5g(Includes center contact, crimp sleeve)
(6) Packaging 20pcs/package(150×50×30mm)
(7) Applicable cable L-2.5CHD, L-2.5CHLT(CANARE), 1855A(BELDEN)
(8) Crimp tool Frame:TC-1, Die:TCD-D253F

Note:The coupling part is compatible with our Micro BNC receptacle.

3. Rating

(1) Operating temperature -40℃ ～ +85℃
(2) Operating humidity ～ 90%

4. Electrical characteristics As shown in **Table 1**

Table 1

Items	Specified values	Test methods
Insulation resistance	5000MΩ or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	750V a.c. shall be applied for 1 min between the contacts. Trip current:0.5mA.
Contact resistance	Between center contacts: 10mΩ or less Between external contacts: 5mΩ or less	Measurement shall be made between the contacts, with engaging a plug and a jack. (1kHz:1mA a.c.)
Return loss	26dB or more (0～ 3GHz) 20dB or more (0～ 6GHz) 15dB or more (0～12GHz)	Terminated with 75Ω. The measurement frequency up to 12GHz.

5. Mechanical characteristics As shown in **Table 2**

Table 2

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The jack and applicable plug shall be engaged.
Fixing force of contact with lock mechanism	No displacement more than0.5mm.	Tensile strength of 10N shall be applied to the axial direction.
Cable connecting force	150N or more for L-2.5CHD	An applied cable shall be attached to the plug, after which tensile strength shall be applied.
Mechanical operation	contact resistance:20mΩ or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 500cycles.

6. Environmental characteristics As shown in **Table 3**

Table 3

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance:20mΩ or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2℃ for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

7. Measurement conditions Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15℃ to 35℃), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20±1℃), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).