

**PRODUCT SPECIFICATIONS**

(BCP-TB)

SAB463

Ver. 1.0

CANARE ELECTRIC CO., LTD

1. **Scope** This product specification covers the performance of CANARE 75 Ω BNC termination plug.

2. **General specifications**

- (1) **Product name** 75 Ω BNC termination plug  
 (2) **Model name** BCP-TB  
 (3) **Applicable standard** IEC\*<sup>1</sup> 61169-8, JIS\*<sup>2</sup> C 5412  
 (4) **Nominal impedance** 75 Ω unbalanced  
 (5) **Construction** As shown in the drawing (BL463).  
 (6) **Weight** Approx 12.8g  
 (7) **Designation** Stamp model name (BCP-TB) and brand name (CANARE) on coupling sleeve.  
 (8) **Packaging** 20pcs/package (150 x 50 x 31mm), 100pcs/package (220 x 155 x 37mm)

\*<sup>1</sup> International Electrotechnical Commission

\*<sup>2</sup> Japanese Industrial Standard

3. **Ratings**

- (1) **Operating temperature** -10 °C ~ +65 °C  
 (2) **Operating humidity** ~ 90%

4. **Characteristics**

4.1 **Electrical characteristics** As shown in **Table 1**

**Table 1**

| Items  | Specified values | Test methods                          |
|--|------------------|---------------------------------------|
| <b>Return loss</b>                           | 26.4dB or more   | The measurement frequency up to 3GHz. |
| <b>Voltage standing wave ratio (V.S.W.R)</b> | 1.1 or less      |                                       |

4.2 **Mechanical characteristics** As shown in **Table 2**

**Table 2**

| Items  | Specified values   | Test methods   |
|--|--|--|
| <b>Intermatability</b>                             | To be engaged without any abnormality.                                     | The plug and an applicable receptacle shall be engaged.  |
| <b>Fixing force of contact with lock mechanism</b> | No displacement more than 0.5 mm.  | Tensile strength of 19.6N shall be applied to the axial direction.   |
| <b>Strength of coupling mechanism</b>              | Coupling sleeve shall not be disconnected or no deformation shall be made. | The plug and a receptacle shall be engaged, after which tensile strength of 250N and rotation strength of 2.5N·m shall be applied.   |
| <b>Mechanical operation (repeated)</b>             | Return loss:<br>26.4dB or more (0 ~ 3GHz)                                  | The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles. |

5. **Measurement conditions** Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15 °C to 35 °C), 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 °C), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).