



## **Electrical Characteristics**

| Nominal Impedar  | ice:  |   | 75 ohms  |   |  |  |  |
|--|---|---|--|---|--|--|--|
| Frequency Range:   |   |   | DC to 1 GHz  |   |  |  |  |
|  | 1.35:1 maximum  |   |  |   |  |  |  |
|  | 500 V maximum at sea level  |   |  |   |  |  |  |
|  | 1500 V maximum at sea level   |   |  |   |  |  |  |
| Contact Resistance:  |   |   | 1.5 milliohms maximum  |   |  |  |  |
| Insulation Resista   | 5000 megohms minimum  |   |  |   |  |  |  |
| Mechanical Cha   | racteristi  | cs  |  |   |  |  |  |
| Mating Cycles:   |   |   | 500 cycles minimum   |   |  |  |  |
| Interface Dimensions:  |   |   | Conform to MIL-C-39012   |   |  |  |  |
| Environmental C  | haracteri   | istics  |  |   |  |  |  |
| Temperature Range:   |   |   | -65 °C to +165 °C  |   |  |  |  |
|  |   |   |  |   |  |  |  |
|  |   |   |  |   |  |  |  |
| PART DESCRIPTION   |   |   |  |   |  |  |  |
| Body   | Brass, nickel plated 2.54 µm  |   |  |   |  |  |  |
|  |   |   |  |   |  |  |  |
|  | PTFE  | - 0.070μm -   | 0.127μ   |   |  |  |  |
|  |   |   |  |   |  |  |  |
|  |   |   |  |   |  |  |  |
|  |   |   |  |   |  |  |  |
|  |   |   |  |   |  |  |  |
|  |   |   |  |   |  |  |  |
| rawing Updated   |   |   | JT   | 8   | 12 Mar 10  |  |  |
| rawing Updated<br>trip And Crimp Dim   | s Added   |   | JT<br>LB   | 8   | 12 Mar 10<br>26 Aug 09   |  |  |
| <b>.</b>   | s Added   |   |  |   |  |  |  |
| trip And Crimp Dim   | s Added   |   | LB   | 7   | 26 Aug 09  |  |  |
| trip And Crimp Dim<br>sulator Added  |   | m   | LB<br>JW   | 7 6   | 26 Aug 09<br>22 June 06  |  |  |
| trip And Crimp Dim<br>sulator Added<br>AD Issue  | To 0.40m  |   | LB<br>JW<br>SN   | 7<br>6<br>5   | 26 Aug 09<br>22 June 06<br>18 Jan 02   |  |  |
| trip And Crimp Dim<br>sulator Added<br>AD Issue<br>hange Hole Of Pin   | To 0.40m  |   | LB<br>JW<br>SN<br>DJH  | 7<br>6<br>5<br>4  | 26 Aug 09<br>22 June 06<br>18 Jan 02<br>01 July 97   |  |  |
| trip And Crimp Dim<br>sulator Added<br>AD Issue<br>hange Hole Of Pin<br>tandardisation Of C  | To 0.40m  |   | LB<br>JW<br>SN<br>DJH<br>AT  | 7<br>6<br>5<br>4<br>3   | 26 Aug 09<br>22 June 06<br>18 Jan 02<br>01 July 97<br>04 March 96  |  |  |
| trip And Crimp Dim<br>sulator Added<br>AD Issue<br>hange Hole Of Pin<br>tandardisation Of C<br>ole In Pin 0.50mm                                 | To 0.40m<br>rimp Ferr   |   | LB<br>JW<br>SN<br>DJH<br>AT<br>IFS   | 7<br>6<br>5<br>4<br>3<br>2  | 26 Aug 09<br>22 June 06<br>18 Jan 02<br>01 July 97<br>04 March 96<br>19 May 94   |  |  |
| trip And Crimp Dim<br>sulator Added<br>AD Issue<br>hange Hole Of Pin<br>tandardisation Of C<br>ole In Pin 0.50mm<br>rst Issue                    | To 0.40m<br>rimp Ferr   |   | LB<br>JW<br>SN<br>DJH<br>AT<br>IFS<br>IFS<br>APPVD   | 7<br>6<br>5<br>4<br>3<br>2<br>1   | 26 Aug 09<br>22 June 06<br>18 Jan 02<br>01 July 97<br>04 March 96<br>19 May 94<br>11 June 92   |  |  |
| trip And Crimp Dim<br>sulator Added<br>AD Issue<br>hange Hole Of Pin<br>tandardisation Of C<br>ole In Pin 0.50mm<br>rst Issue<br>ESCRIPTION OF R | To 0.40m<br>rimp Ferr   | PART N  | LB<br>JW<br>SN<br>DJH<br>AT<br>IFS<br>IFS<br>APPVD<br>JMBER:   | 7<br>6<br>5<br>4<br>3<br>2<br>1   | 26 Aug 09<br>22 June 06<br>18 Jan 02<br>01 July 97<br>04 March 96<br>19 May 94<br>11 June 92   |  |  |
| trip And Crimp Dim<br>sulator Added<br>AD Issue<br>hange Hole Of Pin<br>tandardisation Of C<br>ole In Pin 0.50mm<br>rst Issue                    | To 0.40m<br>rimp Ferr   | PART N  | LB<br>JW<br>SN<br>DJH<br>AT<br>IFS<br>IFS<br>APPVD   | 7<br>6<br>5<br>4<br>3<br>2<br>1   | 26 Aug 09<br>22 June 06<br>18 Jan 02<br>01 July 97<br>04 March 96<br>19 May 94<br>11 June 92   |  |  |
|  | Frequency Range<br>VSWR:<br>Insertion Loss:<br>Operating Voltage<br>Dielectric Withsta<br>Contact Resistand<br>Insulation Resistand<br>Machanical Chan<br>Mating Cycles:<br>Interface Dimensi<br>Environmental C<br>Temperature Ran | VSWR:<br>Insertion Loss:<br>Operating Voltage (rms):<br>Dielectric Withstand Voltag<br>Contact Resistance:<br>Insulation Resistance:<br>Mechanical Characteristic<br>Mating Cycles:<br>Interface Dimensions:<br>Environmental Characteristic<br>Temperature Range:<br>PART DESCR<br>Body Brass, m<br>Ferrule Brass, m<br>Contact Brass, g | Frequency Range:         VSWR:         Insertion Loss:         Operating Voltage (rms):         Dielectric Withstand Voltage (rms):         Contact Resistance:         Insulation Resistance:         Mechanical Characteristics         Mating Cycles:         Interface Dimensions:         Environmental Characteristics         Temperature Range:         PART       DESCRIPTION         Body       Brass, nickel plate         Ferrule       Brass, nickel plate         Contact       Brass, gold plated | Frequency Range:       DC to 1 GH         VSWR:       1.35:1 maxi         Insertion Loss:       0.1 dB at 1         Operating Voltage (rms):       500 V maxi         Dielectric Withstand Voltage (rms):       1500 V maxi         Contact Resistance:       1.5 milliohn         Insulation Resistance:       5000 mego         Mechanical Characteristics       Mating Cycles:         Interface Dimensions:       Conform to         Environmental Characteristics       Conform to         PART       DESCRIPTION         Body       Brass, nickel plated 2.54 µm         Ferrule       Brass, nickel plated 2.54 µm         Contact       Brass, gold plated 0.076 µm - | Frequency Range:       DC to 1 GHz         VSWR:       1.35:1 maximum         Insertion Loss:       0.1 dB at 1 GHz         Operating Voltage (rms):       500 V maximum at         Dielectric Withstand Voltage (rms):       1500 V maximum at         Contact Resistance:       1.5 milliohms maxi         Insulation Resistance:       5000 megohms m         Mechanical Characteristics       500 cycles minimu         Interface Dimensions:       Conform to MIL-C-         Environmental Characteristics       Conform to MIL-C-         PART       DESCRIPTION         Body       Brass, nickel plated 2.54 μm         Ferrule       Brass, nickel plated 2.54 μm         Contact       Brass, gold plated 0.076 μm - 0.127 μm |  |  |

|                                       |   | SCALE: Not To Scale                               | DRAWN BY:    | J Williams | TITLE:             | PART NUMBER: |
|---------------------------------------|---|---|--------------|------------|--------------------|--------------|
| CONNECTIVITY SOLUTIONS<br>a bel group | Cinch Connectivity Solutions<br>7-13 Russel Way,<br>Widford Industrial Estate,<br>Chelmsford,Essex,<br>CM1 3AA, UK.<br>Tel: +44 (0) 1245 359515<br>Fax: +44 (0) 1245 358938 | DIMENSIONS: mm                                    | CHECKED BY:  | M Terry    | BNC Crimp Plug for | VB10-2061    |
|                                       |   | TOLERANCES:<br>± 0.2mm unless<br>otherwise stated | APPROVED BY: | A Tusi     | RG179, RG187       |              |
|                                       |   |   | DATE:        | 22 Jun 06  |                    | PAGE: 1 of 1 |

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