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ISSUE **12/07/2021**

SERIES **TestPro VNA Series**

PART NUMBER **VB01621610635ZT**

All dimensions are in mm
For more details, please see connectors TDS

Armored VNA cable - 50,000 flexlife

Phase Stability (\pm degree @ 67 GHz): 4.5 Typ. / 8.5 Max.
Amplitude Stability (dB @ 67 GHz): 0.02 Typ. / 0.1 Max.



DESIGNATION

| | |
|-----------------|---|
| Cable | VNA cable - P/N - VNA cable type VB |
| Connector Left | 1.85 mm - NMD female - Stainless steel - P/N: R327920031 |
| Connector Right | 1.85 mm - NMD male - Stainless steel - P/N: R327900051 |
| Assembly Length | 635 mm / 25.00 inch (tolerance = \pm 2%) |
| Assembly Weight | 273.07 gr / 9.63 oz (tolerance = \pm 5%) |

ELECTRICAL CHARACTERISTICS

| | |
|---------------------------------|---|
| Characteristic impedance | 50 Ohms |
| Max operating frequency | 67.0 GHz |
| Assembly Typ Insertion Loss | 4.39 dB (at 20 °C, at 67.0 GHz) |
| Assembly Typ VSWR | 1.45 (at 67.0 GHz) |
| Assembly Max. Insertion Loss | 5.09 dB (at 20 °C, at 67.0 GHz) |
| Assembly Max VSWR | 1.50 (at 67.0 GHz) |
| Assembly Max Return Loss | 14.0 dB (at 67.0 GHz) |
| Dielectric withstanding voltage | 500 V |
| Insulation resistance | 5000 M.Ohms |
| Other | Typical amplitude stability (dB) 0,01 @ 50GHz / 0,02 @ 67GHz Typical phase stability 1,5° @50GHz / 4,5° @ 67GHz Note: Max IL are indicative only when superior to 40dB |

MECHANICAL CHARACTERISTICS

| | |
|------------------------|---|
| Cable Outer diameter | 14.1 mm Max 0.555 inch |
| Static bending radius | 50.0 mm 1.97 inch |
| Dynamic bending radius | 100.0 mm 3.94 inch |
| Other | Flexure life cycle > 50,000 Mating cycles durability > 5,000 |

ENVIRONMENTAL CHARACTERISTICS

| | |
|-------------------|---|
| Temperature range | Lab conditions 23\pm5°C |
| Fire resistance | Yes |
| RoHS | Yes |