

## 5,3 mm Coax class

| ITEM                                                                                                                                                                                                                                |                       | DESCRIPTION                          |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------|-----------------------|
| Conductor                                                                                                                                                                                                                           | Material              | Bare Copper                          |                       |
|                                                                                                                                                                                                                                     | Nominal Diameter      | 0.8±0.01mm                           |                       |
| Insulation                                                                                                                                                                                                                          | Material              | Foamed PE                            |                       |
|                                                                                                                                                                                                                                     | Nominal Diameter      | 3.35±0.15mm                          |                       |
| Shielding                                                                                                                                                                                                                           | Material              | Bonded Aluminium/PET/Aluminium foil  |                       |
|                                                                                                                                                                                                                                     | Coverage              | 118%                                 |                       |
| Braiding                                                                                                                                                                                                                            | Material              | Aluminum wires                       |                       |
|                                                                                                                                                                                                                                     | No. of Wires          | 24*3*0.12mm                          |                       |
|                                                                                                                                                                                                                                     | Coverage              | 63%                                  |                       |
| Jacket                                                                                                                                                                                                                              | Material              | LSZH                                 |                       |
|                                                                                                                                                                                                                                     | Nominal Diameter      | 5.3mm                                |                       |
| ELECTRICAL PROPERTIES                                                                                                                                                                                                               |                       |                                      |                       |
| Impedance                                                                                                                                                                                                                           |                       | 75±3 ohm                             |                       |
| Velocity                                                                                                                                                                                                                            |                       | 83 %                                 |                       |
| Nominal Capacitance                                                                                                                                                                                                                 |                       | 52 pf/m                              |                       |
| Screening Factor (30-900Mhz)                                                                                                                                                                                                        |                       | > 85dB                               |                       |
| Min. Bend Radius                                                                                                                                                                                                                    |                       | loaded 20 times<br>unloaded 10 times |                       |
| ATTENUATION                                                                                                                                                                                                                         |                       |                                      |                       |
| Frequency (MHz)                                                                                                                                                                                                                     | Attenuation dB (100m) | Frequency (MHz)                      | Attenuation dB (100m) |
| 5                                                                                                                                                                                                                                   | 2.9                   | 1000                                 | 29.1                  |
| 50                                                                                                                                                                                                                                  | 6.2                   | 1750                                 | 39.2                  |
| 200                                                                                                                                                                                                                                 | 12.0                  | 2050                                 | 42.8                  |
| 470                                                                                                                                                                                                                                 | 18.9                  | 2150                                 | 43.7                  |
| 860                                                                                                                                                                                                                                 | 26.8                  | 3000                                 | 54.3                  |
| STRUTURAL RETURN LOSS                                                                                                                                                                                                               |                       |                                      |                       |
| Frequency (MHz)                                                                                                                                                                                                                     |                       | Return Loss                          |                       |
| 30-470                                                                                                                                                                                                                              |                       | ≥22 dB                               |                       |
| 470-860                                                                                                                                                                                                                             |                       | ≥20 dB                               |                       |
| 860-2150                                                                                                                                                                                                                            |                       | ≥15 dB                               |                       |
| Certificate                                                                                                                                                                                                                         |                       |                                      |                       |
| <div><div><div>FIRE REACTION</div><div><div>B2ca</div><div>Cca</div><div>Dca</div><div>Eca</div><div>Fca</div></div><div><div>Dca</div></div></div></div> <div><div><div>✓</div><div>ROHS</div></div><div><div>CE</div></div></div> |                       |                                      |                       |