

TA220

Low Loss Phase Stable Cable Assembly DC~40GHz



Features

- Low Loss
- High Phase Stability
- Excellent Performance
- Well Durability
- Suitable for All Kinds of Harsh Environment

Applications

- Laboratory
- Wireless Communications
- Phased Array Radar
- Avionics

Specifications

Electrical

| | |
|-------------------------|---------------------|
| Operating Frequency | DC~40GHz |
| Cutoff Frequency | 83GHz |
| Impedance | 50Ω |
| Velocity of Propagation | 81% |
| Screening Effectiveness | 90dB min |
| PIM | -155dBc |
| Voltage Rating | 400V, DC |
| Phase Stability | <750ppm@-55°C~+85°C |

Environmental & Mechanical

| | |
|-----------------------------|--------------|
| Operating Temperature | -55°C~+125°C |
| Min Bending Radius/Single | 11.00 mm |
| Min Bending Radius/Repeated | 22.00 mm |
| Weight | 16g/m |

Attenuation@25°C & Power@40°C(sea level)

| Frequency(GHz) | 1 | 2 | 3 | 6 | 8 | 10 | 12.4 | 18 | 26.5 | 40 |
|----------------------|------|------|-------|-------|-------|--------|--------|--------|------|--------|
| Attenuation(dB/100m) | 63.7 | 90.8 | 111.9 | 160.4 | 186.5 | 209.79 | 235.16 | 287.06 | 354 | 444.01 |
| Power Handling(W) | 110 | 77 | 63 | 44 | 38 | 33 | 30 | 24 | 20 | 16 |

Construction

| | | |
|-----------------|----------------------------|--------|
| Inner Conductor | Solid Silver-plated Copper | 0.50mm |
| Dielectric | Low Density PTFE | 1.38mm |
| Inner Shield | Silver-plated Copper Tape | 1.54mm |
| Outer Shield | Silver-plated Copper Braid | 1.95mm |
| Jacket | PFA | 2.20mm |

Outline



Ordering Information

| | | | | | | |
|--------------------------------------|---|----|---|-----|---|---|
| TA220 | - | 40 | - | KKF | - | 1 |
| Cable | | | | | | |
| Operating Frequency(GHz) | | | | | | |
| RF Connectors(K:2.92mm) | | | | | | |
| KK: 2.92mm male to 2.92mm male | | | | | | |
| KKF: 2.92mm male to 2.92mm female | | | | | | |
| KFKF: 2.92mm female to 2.92mm female | | | | | | |
| Overall Length(meter(s)) | | | | | | |