



Coaxial Low PIM Cables, Straight to Right Angle Connectors DC - 6,000 MHz, 4.3-10 and N-Type Rev. B

- Low PIM <-153 dBc
- High Average Power Rating
- Minimal RF Insertion Loss
- **Excellent VSWR**
- Rugged, High Reliability
- Plenum rated Class CMP
- RoHS compliant



Frequency: DC to 6,000 MHz

Shielding: >90 dB VSWR: <1.22:1 DWV: 750 VAC max. Impedance: 50Ω nominal RoHS: Compliant

PIM (Intermod): <-153 dBc; <-158 typ.

(+43dBm x2, at 1800 MHz)

Power Rating: 100 W avg., 3 kW pk.



Microlab Model JB series, Coaxial Jumper Cables are built for reliability and consistent extremely low PIM performance. Designed for use in all systems where low PIM and very good R.F. and mechanical performance is critical. Using controlled manufacture, low PIM cable and trimetal plating the connectors ensures good intermodulation performance.

All cables are fully interchangeable with connectors made to the MIL-C-39012 specification.

JB series (Straight to Right Angle) **Model Numbers**

JB-xxMN N(m) Right Angle N(m) JB-<u>xx</u>MZ 4.3-10(m) to Right Angle N(m)

xx specifies length of cable in centimeters Example JB-10MN: 10 centimeter (1 meter) cable

Loss Specifications for 1 meter (~39") cable

<u>Frequency</u>	<u>Loss</u>
380 MHz	<0.3 dB
960 MHz	<0.5 dB
1700 MHz	<0.6 dB
2700 MHz	<0.8 dB
6000 MHz	<1.0 dB.

Connector Specifications

Finish: Albaloy plated brass body Contacts:

Ag/Cu plated BeCu

Dielectrics: PTFE Gaskets: Si Rubber Interface: per MIL-STD-348 Coupling Proof Torque: 15 in*lbs Coupling Retention: 60 lbs axial Bend Radius: 0.5 max.

Cable Specifications

Diameter: Jacketed .141 Rigid Type Conductor (ø.037"): Silver Plated Copper Dielectric: (ø.113) Microporous PTFE Ag Plated Flat Copper Braid (ø.121): Ag Plated Copper Wire Outer Braid (ø.138):

Extruded FEP Jacket (ø.160): Major Diameter: ø.165 max Static Bend Radius: 0.75R

-40°C to +125°C Temperature:

Note: Specifications are subject to change without prior notification.

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