

- ◆ For GPS Applications
- ◆ High Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ Excellent VSWR
- ◆ Rugged, High Reliability
- ◆ SMA, N-Type and 4.3-10 Connectors
- ◆ Plenum rated Class CMP
- ◆ RoHS compliant


Similar Model Shown

Microlab Model GPSJ series, Coaxial Jumper Cables are built for reliability and consistent frequency performance. Designed for use in all systems where very good R.F. and mechanical performance is critical.

GPSJ Series Model Numbers

GPSJ-xx-NFSM	N(f)	to	SMA(m)
GPSJ-xx-NMSM	N(m)	to	SMA(m)
GPSJ-xx-SMSM	SMA(m)	to	SMA(m)
GPSJ-xx-EMSM	4.3-10(m)	to	SMA(m)
GPSJ-xx-EMNM	4.3-10(m)	to	N(m)

xx specifies the cable length in decimeters

Example: **GPSJ-10-NFSM**: 10 decimeters (1 meter) N(f) to SMA(m) cable

Loss Specifications per meter (~39") cable

<u>Frequency</u>	<u>Loss/m</u>
380 MHz	<0.3 dB
960 MHz	<0.5 dB
1200 MHz	<0.6 dB
1600 MHz	<0.6 dB
2700 MHz	<0.8 dB
6000 MHz	<1.2 dB.

Electrical Specifications

Frequency:	DC to 6,000 MHz
Shielding:	>90 dB
VSWR:	<1.22:1
DWV:	750 VAC max.
Impedance:	50Ω nominal
RoHS:	Compliant
Power Rating:	50 W avg., 3 kW pk.

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

Cable Specifications

Diameter:	Jacketed .141" Rigid Type
Conductor (ø.037"):	Silver Plated Copper
Dielectric (ø.113):	Microporous PTFE
Braid (ø.121):	Ag Plated Flat Copper
Outer Braid (ø.138):	Ag Plated Copper Wire
Jacket (ø.160):	Extruded FEP
Major Diameter:	ø.165" max
Static Bend Radius:	0.75" R
Temperature:	-40°C to +125°C

Note: Specifications are subject to change without prior notification.

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