

► Features and benefits

- Frequency ranges from DC to 26.5 GHz
- Low Loss and Flexibility
- Durability
- Low density PTFE(extruded) dielectric
- Excellent shielding effectiveness and return loss
- Cost-efficient

► Cable Design



Description		Diameter (mm)	
		GL200	GL200s
① Center conductor	GL200: Silver-plated copper wire, solid GL200s: Silver-plated copper wire, stranded	1.39	19/0.3
② Dielectric	Low density PTFE (extruded)	-	-
③ Inner shield	Silver-plated copper tape	-	-
④ Outer shield	Silver-plated copper braid	-	-
⑤ Jacket	Extruded FEP	5.70	5.70

Electrical

Impedance	50 Ω
Operating frequency	18 GHz
Capacitance	85 pF/m
Velocity of propagation	77 % nom.
Time delay	4.35 ns/m
RF leakage (dB)	-100
Dielectric constant	1.7
Phase stability vs. flexure (@18 GHz max.)	5°
IL stability vs. flexure (dB @minimum BR)	± 0.3
Phase stability vs. temp. (deg/GHz/m) (-40 ~ 80°)	< 2 °

Mechanical & Environmental

Minimum bend radius (mm)	29.2
Weight (g/m)	70
Temperature	-55°C to + 135°C

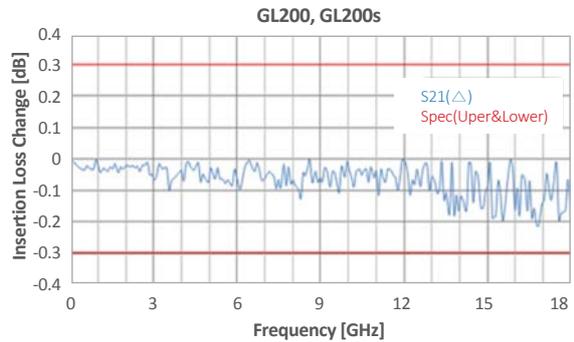
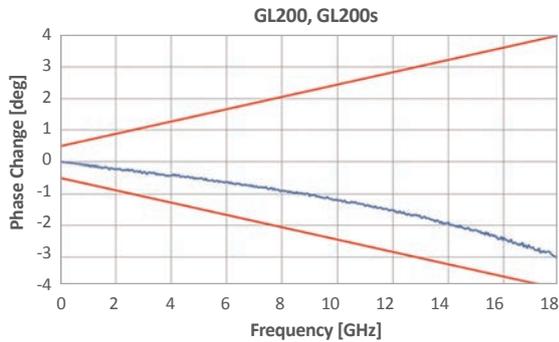
Suitable Connectors

Cable selection			Standard Connector selection				Drawing Page
			SMA type		N type		
P/N	Frequency	Attenuation (dB/m)	Straight	R/A	Straight	R/A	
GL200C	18 GHz	1.15	SMS111 SMS111B*	SMR111	NMS111 NFS111(Jack)	NMR111	83p
GL200D	26.5 GHz	1.43	SMS112 SMS112B*	-	-	-	83p
GL200sC	18 GHz	1.19	SMS111 SMS111B*	SMR111	NMS111 NFS111(Jack)	NMR111	83p
GL200sD	26.5 GHz	1.45	SMS112 SMS112B*	-	-	-	83p

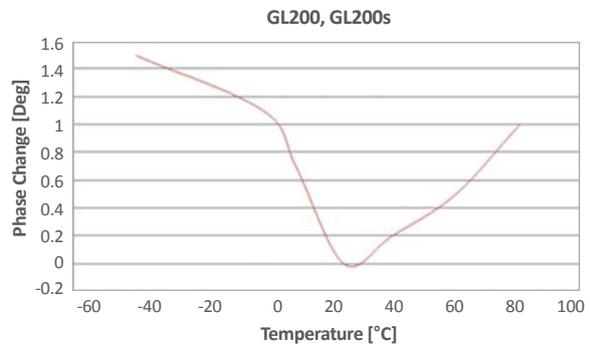
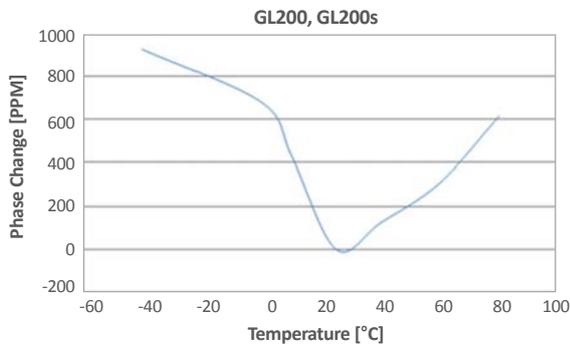
* XXXXXXB : Shrink Tube Type ex) SMS111B

GL200 & GL200s Cable

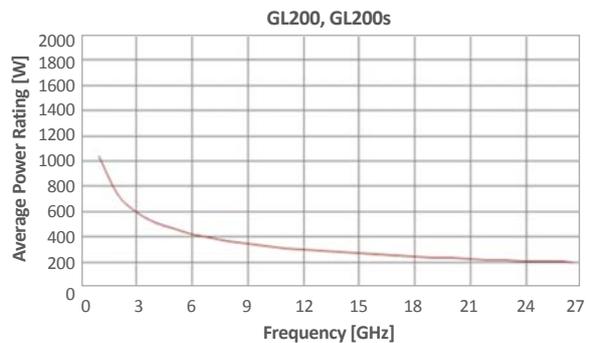
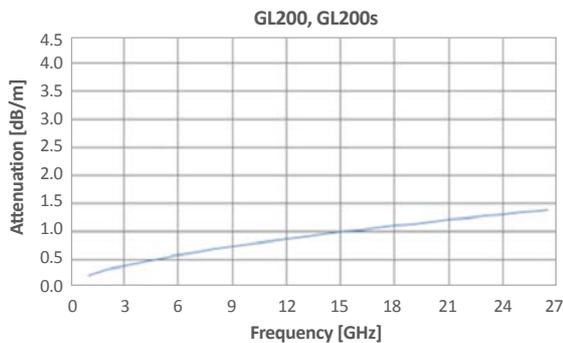
► Cable Insertion & Stability with Flexure



► Cable Phase Stability with Temperature



► Cable Attenuation & Power



► Test Result

