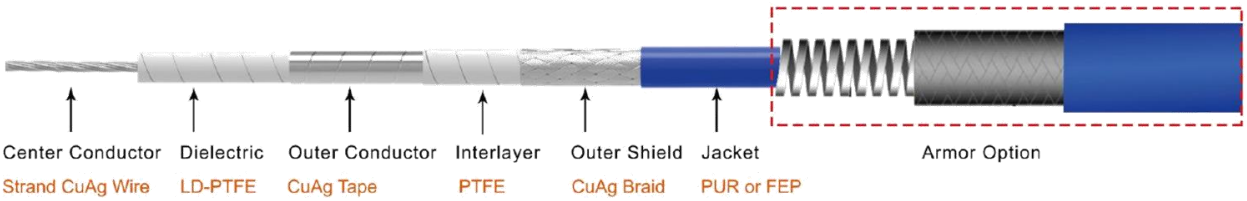
26.5GHz Ultra Phase Stable Low Loss Cable

Armor Cable Assembly, A255, SMA male to SMA male 0.6Meter

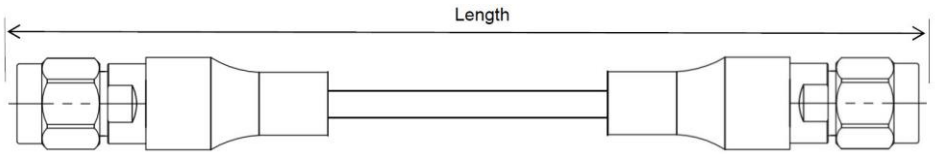
P.N. : B-A2SM.SM00.1

Cable Structure



Structure	Diameter (mm)	Material
1. Center Conductor	1.44	Solid silver plated copper
2. Dielectric	1.60	FEP
3. Outer conductor	4.20	LD PTFE wrapping
4. Interlayer	4.55	Silver plated copper strip wrapping
5. Outer shield	5.00	Silver plated copper wire braiding
6. Jacket	5.50	FEP
7. Armor		A255

Cable Assembly



- Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin center-line.

Cable Assembly Configuration

Connector (Right)	SMA male, straight
Body/Coupling Nut/Contact Material	Passivated s/steel, Gold plated BeCu contacts
Connector (Left)	SMA male, straight
Body/Coupling Nut/Contact Material	Passivated s/steel, Gold plated BeCu contacts
Cable Type	P255-Armor

Cable Assembly

Tel : +82-2-2068-7420
Email : sales@acerfcomm.com

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Electrical Specification

Frequency Range	DC-26.5GHz				
Impedance	50 ohm				
VSWR Max	1.30:1 (DC ~ 26.5GHz)				
V. P	83%				
Withstanding Volt	1500V DC				
Shielding effectiveness	>90dB				
Mechanical Phase Stability	±3°@18GHz, ±7°@26.5GHz				
Amplitude Stability vs Shaking	±0.1dB to 18GHz, ±0.2dB to 26.5GHz				
Max Attenuation vs Frequency dB @ 25°C (without two connectors)	3GHz	6GHz	12GHz	18GHz	26.5GHz
	0.476dB	0.695dB	1.03dB	1.30dB	1.63dB
Avg Power at sea level @ 40°C	389W	267W	181W	143W	114W

Environmental Specification

Operating Temperature	-50°C to +150 °C

Mechanical Specification

Min Bending Radius static	22mm
Min Bending Radius repeated	55mm
Weight	63 gram / Meter (Cable itself)

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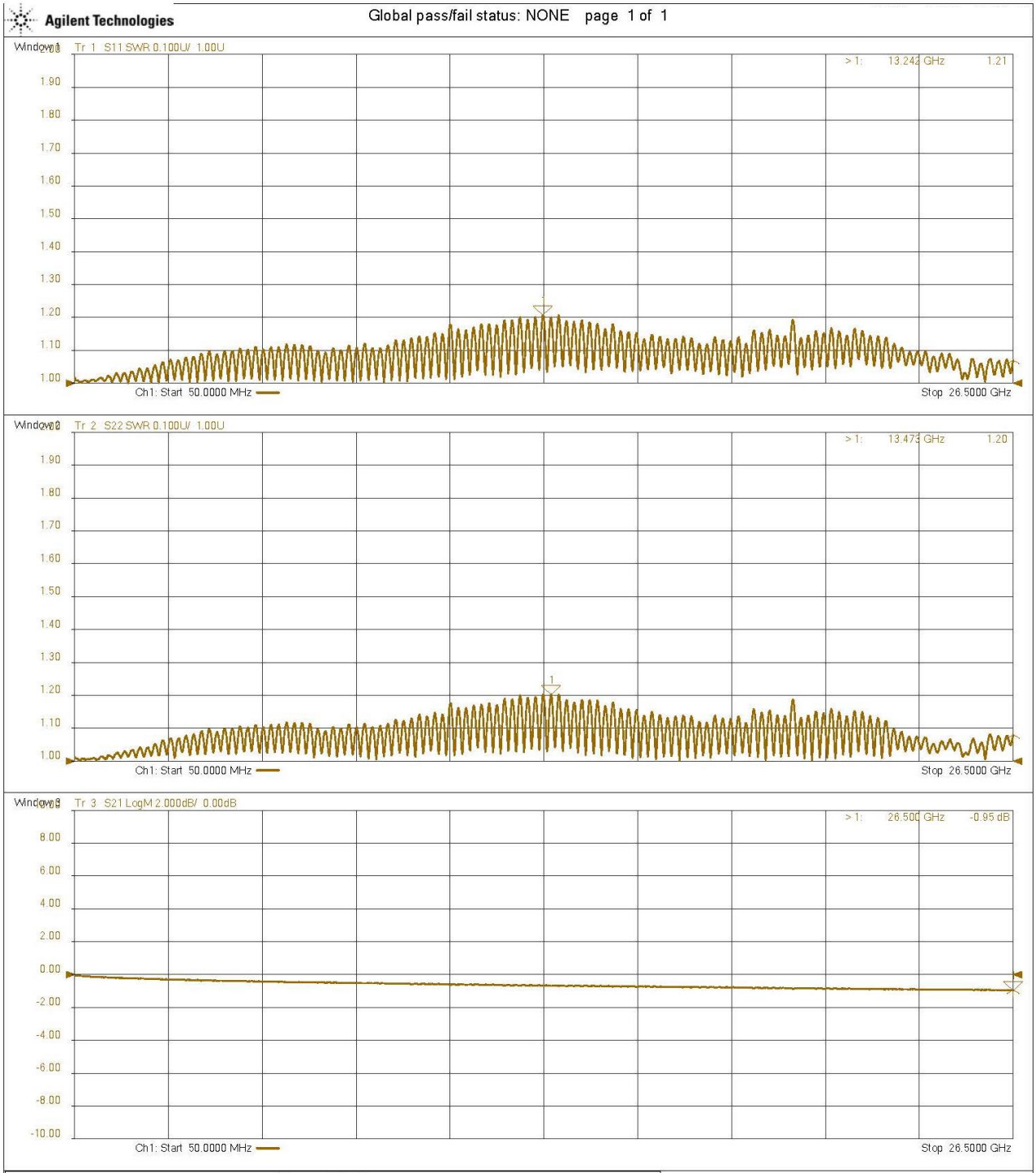

Channel Settings								
Channel	Sweep Type	Points	Start (MHz)	Stop (GHz)	IF BW (kHz)	Sweep Time (s)	Pow 1 (dBm)	Pow 2 (dBm)
1	LinFreq	1601	50.000000	26.500000	10.000000	1.000000	-15.000000	-15.000000

Trace Attributes								
Window	ID	Trace	Channel	Correction	Options	Marker	Position	Response
1	1	S11	1	C 2-Port		1	13241.938 MHz	1.2082
2	1	S22	1	C 2-Port		1	13258.469 MHz	1.2038
3	1	S21	1	C 2-Port		1	26500 MHz	-0.96184 dB

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