



DELTA
Electronics Mfg. Corp.

Delta Color Coded

Low Loss

Phase Stable

RF Test Cables



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Critical Interface Dimensions, Workmanship and Test Data

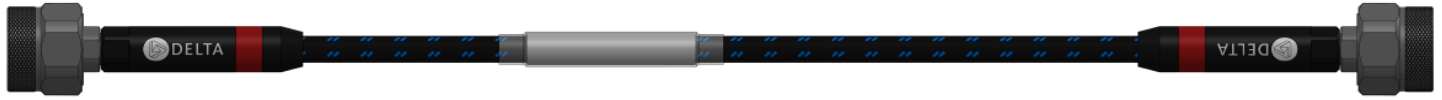
RF Connector critical interface dimensions meet the requirements of Mil-STD 348, latest revision, IEC 61169-32 (1.85 mm), 61169-40 (2.4 MM), 61169-35 (2.92 MM) as applicable.

Delta's Precision Test Cables are inspected per the requirements as outlined in IPC/WHMA-A-620, Class 3.

Delta's Precision Test Cables are tested 100% for VSWR and Insertion Loss up to the maximum operating frequency for each series. VSWR and Insertion Loss plots are provided with each precision test cable.



N Plug to N Plug – 18 GHz



Electrical – Cable Assembly Specifications			N Connector Specifications		
Frequency Range	DC to 18 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 18 GHz	1.25:1 Max.		Contact Material	Brass	
Insertion Loss	See Table Below		Contact Plating	Au Plate	
Amplitude Stability	+/- 0.05 dB		Insulator Material	PTFE	
Phase Stability	+/- 5°		Coupling Nut Material	Corrosion Resistant Steel	
DWV@Sea Level	500 Vrms		Coupling Nut Plating	Passivated	
Insulation Resistance	5000 MΩ		Backshell Material	Aluminum	
VoP	74%		Backshell Plating	Anodized	
Shielding Effectiveness	< -90 dB		Gasket Material	Silicone Rubber	
			Coupling Nut Torque	12-15 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXB 360 RF Cable Specifications		
Static Bend Radius	1.29" (33 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	2.56" (65 mm)		Dielectric	LD PTFE	
Weight	34 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	PTFE	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@18.0 GHz	Delta Part Number	Length	@18.0 GHz
PT18-NMNM-036	36.0"	-2.33 dB	PT18-NMNM-079	79.0"	-4.42 dB
PT18-NMNM-048	48.0"	-2.91 dB	PT18-NMNM-098	98.0"	-5.35 dB
PT18-NMNM-060	60.0"	-3.50 dB	PT18-NMNM-118	118.0"	-6.32 dB
PT18-NMNM-072	72.0"	-4.08 dB	PT18-NMNM-120	120.0"	-6.42 dB

Adapters

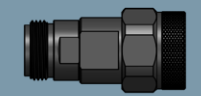
Within Series N Adapters



1127000K001-900



1128000K001-701

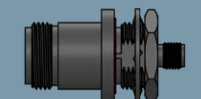


1134000K001-900

Between Series N to SMA Adapters



2227000K001-810



2226000K721-900



2225000K301-700



N Plug to N Jack – 18 GHz



Electrical – Cable Assembly Specifications			2.92 MM Connector Specifications		
Frequency Range	DC to 18 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 18 GHz	1.25:1 Max.		Contact Material	Brass / Beryllium Copper	
Insertion Loss	See Table Below		Contact Plating	Au Plate	
Amplitude Stability	+/- 0.05 dB		Insulator Material	PTFE	
Phase Stability	+/- 5°		Coupling Nut Material	Corrosion Resistant Steel	
DWV @ Seal Level	500 Vrms		Coupling Nut Plating	Passivated	
Insulation Resistance	5000 MΩ		Backshell Material	Aluminum	
VoP	74%		Backshell Plating	Anodized	
Shielding Effectiveness	< -90 dB		Gasket Material	Silicone Rubber	
			Coupling Nut Torque	12-15 in. Lbs.	
Mechanical – Cable Assembly Specifications			DXB 360 RF Cable Specifications		
Static Bend Radius	1.29" (33 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	2.56" (65 mm)		Dielectric	LD PTFE	
Weight	34 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	PTFE	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@18.0 GHz	Delta Part Number	Length	@18.0 GHz
PT18-NFNM-036	36.0"	-2.33 dB	PT18-NFNM-079	79.0"	-4.42 dB
PT18-NFNM-048	48.0"	-2.91 dB	PT18-NFNM-098	98.0"	-5.35 dB
PT18-NFNM-060	60.0"	-3.50 dB	PT18-NFNM-118	118.0"	-6.32 dB
PT18-NFNM-072	72.0"	-3.08 dB	PT18-NFNM-120	120.0"	-6.42 dB

Market Insight

Military

Submarket

Military Aircraft

Delta's RF connectors are essential components for real-time information exchange in military aviation. They guarantee reliable communication between fighter jets, drones, tankers, helicopters, and the entire air fleet.



SMA Plug to SMA Plug – 26.5 GHz



Electrical – Cable Assembly Specifications			SMA Connector Specifications		
Frequency Range	26.5 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 26.5 GHz	1.30:1 Max.		Contact Material	BeCu	
Insertion Loss	See Table Below		Contact Plating	Au Plate	
Amplitude Stability	+/- 0.05 dB		Insulator Material	PEI (Polyetherimide)	
Phase Stability	+/- 5°		Coupling Nut Material	Corrosion Resistant Steel	
DWV@Sea Level	500 Vrms		Coupling Nut Plating	Passivated	
Insulation Resistance	5000 MΩ		Backshell Material	Aluminum	
VoP	74%		Backshell Plating	Anodized	
Shielding Effectiveness	< -90 dB		Gasket Material	Silicone Rubber	
			Coupling Nut Torque	7-10 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXB 360 RF Cable Specifications		
Static Bend Radius	1.29" (33 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	2.56" (65 mm)		Dielectric	LD PTFE	
Weight	34 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	PTFE	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range	-55 to +125 C		Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@26.5 GHz	Delta Part Number	Length	@26.5 GHz
PT26.5-SMSM-036	36.0"	-2.81 dB	PT26.5-SMSM-079	79.0"	-5.38 dB
PT26.5-SMSM-048	48.0"	-3.54 dB	PT26.5-SMSM-098	98.0"	-6.51 dB
PT26.5-SMSM-060	60.0"	-4.26 dB	PT26.5-SMSM-118	118.0"	-7.71 dB
PT26.5-SMSM-072	72.0"	-4.96 dB	PT26.5-SMSM-120	120.0"	-7.83 dB

Adapters

Within Series SMA
Adapters



1327000K001-901

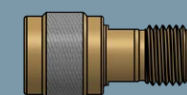


1328000K001-902

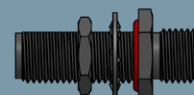


1334000K001-901

Within Series
SMA Adapters and
Connector Savers



1334000G000-006



1326000K671-900



1334000K001-701

SMA Plug to SMA Jack – 26.5 GHz



Electrical – Cable Assembly Specifications			SMA Connector Specifications		
Frequency Range	26.5 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 26.5 GHz	1.30:1 Max.		Contact Material	BeCu	
Insertion Loss	See Table Below		Contact Plating	Au Plate	
Amplitude Stability	+/- 0.05 dB		Insulator Material	PEI (Polyetherimide)	
Phase Stability	+/- 5°		Coupling Nut Material	Corrosion Resistant Steel	
DWV@Sea Level	500 Vrms		Coupling Nut Plating	Passivated	
Insulation Resistance	5000 MΩ		Backshell Material	Aluminum	
VoP	74%		Backshell Plating	Anodized	
Shielding Effectiveness	< -90 dB		Gasket Material	Silicone Rubber	
			Coupling Nut Torque	7-10 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXB 360 RF Cable Specifications		
Static Bend Radius	1.29" (33 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	2.56" (65 mm)		Dielectric	LD PTFE	
Weight	34 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	PTFE	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@26.5 GHz	Delta Part Number	Length	@26.5 GHz
PT26.5-SMSF-036	36.0"	-2.81 dB	PT26.5-SMSF-079	79.0"	-5.38 dB
PT26.5-SMSF-048	48.0"	-3.54 dB	PT26.5-SMSF-098	98.0"	-6.51 dB
PT26.5-SMSF-060	60.0"	-4.26 dB	PT26.5-SMSF-118	118.0"	-7.71 dB
PT26.5-SMSF-072	72.0"	-4.96 dB	PT26.5-SMSF-120	120.0"	-7.83 dB

Market Insight Military

Submarket Launch Vehicles

We partner with leading engineers from top military contractors and multinational satellite manufacturers to develop critical threaded interconnection solutions for satellite launch vehicles and air launch systems, including missiles and interceptors.

2.92 MM Plug to 2.92 MM Plug – 40 GHz



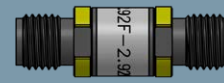
Electrical – Cable Assembly Specifications			2.92 MM Connector Specifications		
Frequency Range	DC to 40 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 26.5 GHz	1.20:1 Max.		Contact Material	BeCu	
VSWR @ 40 GHz	1.30:1 Max.		Contact Plating	Au Plate	
Insertion Loss	See Table Below		Insulator Material	PEI (Polyetherimide)	
Amplitude Stability	+/- 0.05 dB		Coupling Nut Material	Corrosion Resistant Steel	
Phase Stability	+/- 5°		Coupling Nut Plating	Passivated	
DWV@Sea Level	500 Vrms		Backshell Material	Aluminum	
Insulation Resistance	5000 MΩ		Backshell Plating	Anodized	
VoP	74%		Gasket Material	Silicone Rubber	
Shielding Effectiveness	< -90 dB		Coupling Nut Torque	7-10 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXB 360 RF Cable Specifications		
Static Bend Radius	1.29" (33 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	2.56" (65 mm)		Dielectric	LD PTFE	
Weight	34 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	PTFE	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@40.0 GHz	Delta Part Number	Length	@40.0 GHz
PT40-KMKM-036	36.0"	-3.30 dB	PT40-KMKM-079	79.0"	-6.49 dB
PT40-KMKM-048	48.0"	-4.19 dB	PT40-KMKM-098	98.0"	-7.89 dB
PT40-KMKM-060	60.0"	-5.08 dB	PT40-KMKM-118	118.0"	-9.38 dB
PT40-KMKM-072	72.0"	-5.97 dB	PT40-KMKM-120	120.0"	-9.52 dB

Adapters

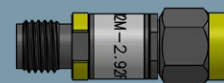
Within 2.92 MM
Color Coded
Adapters



7927000K001-805-C



7928000K001-803-C



7934000K001-802-C

Between
Series 2.92 MM
to 1.85 MM Color
Coded Adapters



2227000K001-815-C



2228000K001-820-C



2234000K001-834-C

2.92 MM Plug to 2.92 MM Jack – 40 GHz



Electrical – Cable Assembly Specifications			2.92 MM Connector Specifications		
Frequency Range	DC to 40 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 26.5 GHz	1.20:1 Max.		Contact Material	BeCu	
VSWR @ 40 GHz	1.30:1 Max.		Contact Plating	Au Plate	
Insertion Loss	See Table Below		Insulator Material	PEI (Polyetherimide)	
Amplitude Stability	+/- 0.05 dB		Coupling Nut Material	Corrosion Resistant Steel	
Phase Stability	+/- 5°		Coupling Nut Plating	Passivated	
DWV@Sea Level	500 Vrms		Backshell Material	Aluminum	
Insulation Resistance	5000 MΩ		Backshell Plating	Anodized	
VoP	74%		Gasket Material	Silicone Rubber	
Shielding Effectiveness	< -90 dB		Coupling Nut Torque	7-10 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXB 360 RF Cable Specifications		
Static Bend Radius	1.29" (33 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	2.56" (65 mm)		Dielectric	LD PTFE	
Weight	34 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	PTFE	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@40.0 GHz	Delta Part Number	Length	@40.0 GHz
PT40-KMKF-036	36.0"	-3.30 dB	PT40-KMKF-079	79.0"	-6.49 dB
PT40-KMKF-048	48.0"	-4.19 dB	PT40-KMKF-098	98.0"	-7.89 dB
PT40-KMKF-060	60.0"	-5.08 dB	PT40-KMKF-118	118.0"	-9.38 dB
PT40-KMKF-072	72.0"	-5.97 dB	PT40-KMKF-120	120.0"	-9.52 dB

Market Insight

Broadcast
and Audio

Submarket

Infrastructure

From antennas and transmitters to power amplifiers, transmission towers, and multiplexers, our products form the backbone of critical broadcast infrastructure. They ensure reliable television and radio transmissions, keeping you informed and entertained. Additionally, these same products support life-saving emergency alert and warning systems.



DELTA
Electronics Mfg. Corp.

Low Loss, Phase Stable Test Cables – 50 GHz
Precision Test Cables

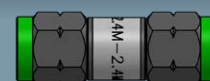
2.4 MM Plug to 2.4 MM Plug – 50 GHz



Electrical – Cable Assembly Specifications			2.4 MM Connector Specifications		
Frequency Range	DC to 50 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 50 GHz	1.35:1 Max.		Contact Material	BeCu	
Insertion Loss	See Table Below		Contact Plating	Au Plate	
Amplitude Stability	+/- 0.05 dB		Insulator Material	PEI (Polyetherimide)	
Phase Stability	+/- 5°		Coupling Nut Material	Corrosion Resistant Steel	
DWV@Sea Level	500 Vrms		Coupling Nut Plating	Passivated	
Insulation Resistance	5000 MΩ		Backshell Material	Aluminum	
VoP	74%		Backshell Plating	Anodized	
Shielding Effectiveness	< -90 dB		Gasket Material	Silicone Rubber	
			Coupling Nut Torque	7-10 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXB 360 RF Cable Specifications		
Static Bend Radius	1.29" (33 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	2.56" (65 mm)		Dielectric	LD PTFE	
Weight	34 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	PTFE	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@50.0 GHz	Delta Part Number	Length	@50.0 GHz
PT50-24M24M-036	36.0"	-3.86 dB	PT50-24M24M-079	79.0"	-7.45 dB
PT50-24M24M-048	48.0"	-4.86 dB	PT50-24M24M-098	98.0"	-9.03 dB
PT50-24M24M-060	60.0"	-5.86 dB	PT50-24M24M-118	118.0"	-10.70 dB
PT50-24M24M-072	72.0"	-6.87 dB	PT50-24M24M-120	120.0"	-10.87 dB

Adapters

Within Series
2.4 MM Color Coded
Adapters



8027000K001-803-C



8028000K001-803-C



8034000K001-803-C

Between
Series 2.92 MM
to 1.85 MM Color
Coded Adapters



2227000K001-804



2228000K001-803



2234000K001-808

2.4 MM Plug to 2.4 MM Jack – 50 GHz



Electrical – Cable Assembly Specifications			2.4 MM Connector Specifications		
Frequency Range	DC to 50 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 50 GHz	1.35:1 Max.		Contact Material	BeCu	
Insertion Loss	See Table Below		Contact Plating	Au Plate	
Amplitude Stability	+/- 0.05 dB		Insulator Material	PEI (Polyetherimide)	
Phase Stability	+/- 5°		Coupling Nut Material	Corrosion Resistant Steel	
DWV@Sea Level	500 Vrms		Coupling Nut Plating	Passivated	
Insulation Resistance	5000 MΩ		Backshell Material	Aluminum	
VoP	74%		Backshell Plating	Anodized	
Shielding Effectiveness	< -90 dB		Gasket Material	Silicone Rubber	
			Coupling Nut Torque	7-10 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXB 360 RF Cable Specifications		
Static Bend Radius	1.29" (33 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	2.56" (65 mm)		Dielectric	LD PTFE	
Weight	34 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	PTFE	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@50.0 GHz	Delta Part Number	Length	@50.0 GHz
PT50-24M24F-036	36.0"	-3.86 dB	PT50-24M24F-079	79.0"	-7.45 dB
PT50-24M24F-048	48.0"	-4.86 dB	PT50-24M24F-098	98.0"	-9.03 dB
PT50-24M24F-060	60.0"	-5.86 dB	PT50-24M24F-118	118.0"	-10.70 dB
PT50-24M24F-072	72.0"	-6.87 dB	PT50-24M24F-120	120.0"	-10.87 dB

Market Insight

Semiconductor

Submarket

Semiconductor Equipment

Delta's connectors and cable assemblies are specifically tailored to transmit RF power to plasma sources in semiconductor etch and deposition chambers. In doing so, our technicians follow a strict assembly process that controls for both electrical and mechanical performance criteria.

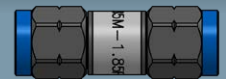
1.85 MM Plug to 1.85 MM Plug – 67 GHz



Electrical – Cable Assembly Specifications			1.85 MM Connector Specifications		
Frequency Range	DC to 67 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 67 GHz	1.35:1 Max.		Contact Material	BeCu	
Insertion Loss	See Table Below		Contact Plating	Au Plate	
Amplitude Stability	+/- 0.05 dB		Insulator Material	PEI (Polyetherimide)	
Phase Stability	+/- 5°		Coupling Nut Material	Corrosion Resistant Steel	
DWV@Sea Level	500 Vrms		Coupling Nut Plating	Passivated	
Insulation Resistance	1000 MΩ		Backshell Material	Aluminum	
VoP	81%		Backshell Plating	Anodized	
Shielding Effectiveness	< -90 dB		Gasket Material	Silicone Rubber	
			Coupling Nut Torque	7-10 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXA 220 RF Cable Specifications		
Static Bend Radius	.55" (13 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	.98" (25 mm)		Dielectric	LD PTFE	
Weight	16 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	N/A	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@67.0 GHz	Delta Part Number	Length	@67.0 GHz
PT67-185M185M-036	36.0"	-6.87 dB	PT67-185M185M-079	79.0"	-13.92 dB
PT67-185M185M-048	48.0"	-7.53 dB	PT67-185M185M-098	98.0"	-17.03 dB
PT67-185M185M-060	60.0"	-10.80 dB	PT67-185M185M-118	118.0"	-20.31 dB
PT67-185M185M-072	72.0"	-12.77 dB	PT67-185M185M-120	120.0"	-20.64 dB

Adapters

Within Series
1.85 MM Color
Coded Adapters



8127000K001-803-C



8128000K001-803-C



8134000K001-802-C

Between Series
1.85 MM to 1.00 MM
and 1.85 MM to 2.92
MM Adapters



2234000K001-835-C



2228000K001-804



2234000K001-836-C

1.85 MM Plug to 1.85 MM Jack – 67 GHz



Electrical – Cable Assembly Specifications			1.85 MM Connector Specifications		
Frequency Range	DC to 67 GHz		Body Material	Corrosion Resistant Steel	
Impedance	50 Ohms		Body Plating	Passivated	
VSWR @ 67 GHz	1.35:1 Max.		Contact Material	BeCu	
Insertion Loss	See Table Below		Contact Plating	Au Plate	
Amplitude Stability	+/- 0.05 dB		Insulator Material	PEI (Polyetherimide)	
Phase Stability	+/- 5°		Coupling Nut Material	Corrosion Resistant Steel	
DWV@Sea Level	500 Vrms		Coupling Nut Plating	Passivated	
Insulation Resistance	1000 MΩ		Backshell Material	Aluminum	
VoP	81%		Backshell Plating	Anodized	
Shielding Effectiveness	< -90 dB		Gasket Material	Silicone Rubber	
			Coupling Nut Torque	7-10 In. Lbs.	
Mechanical – Cable Assembly Specifications			DXA 220 RF Cable Specifications		
Static Bend Radius	.55" (13 mm)		Center Conductor	Silver Plated Copper	
Dynamic Bend radius	.98" (25 mm)		Dielectric	LD PTFE	
Weight	16 G / Meter		Shield	Silver Plated Copper Ribbon	
Crush Resistance	1500 N / mm 2		Interlayer	N/A	
Durability	500 Cycles Minimum		Outer Conductor	Silver Plated Copper	
Environmental - Cable Assembly Specifications			Outer Jacket	FEP (Blue)	
Temperature Range		-55 to +125 C	Armor Jacket	Abrasion Resistant PTFE Braided Jacket	
Insertion Loss Performance			Insertion Loss Performance		
Delta Part Number	Length	@67.0 GHz	Delta Part Number	Length	@67.0 GHz
PT67-185M185F-036	36.0"	-6.87 dB	PT67-185M185F-079	79.0"	-13.92 dB
PT67-185M185F-048	48.0"	-7.53 dB	PT67-185M185F-098	98.0"	-17.03 dB
PT67-185M185F-060	60.0"	-10.80 dB	PT67-185M185F-118	118.0"	-20.31 dB
PT67-185M185F-072	72.0"	-12.77 dB	PT67-185M185F-120	120.0"	-20.64 dB

Market Insight

Test and Measurement

Submarket

Chip Testing

Delta's reputation for interconnect design flexibility and reliability makes it the preferred choice for semiconductor chip manufacturers worldwide. Our SMP, SMPM, and SMP3 connector families deliver high-density connections with up to 64 ports and a compact center-to-center spacing of just 0.098 inches, ensuring reliable signal integrity for diverse mechanical configurations.



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