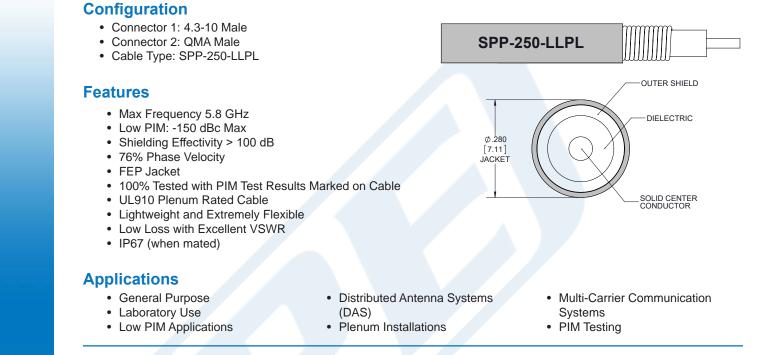


Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm Length Using SPP-250-LLPL Coax , LF Solder



RF Cable Assemblies Technical Data Sheet

PE3C5865-50CM



Description

Pasternack's PE3C5865-50CM 4.3-10 male to QMA male 50 cm cable using SPP-250-LLPL coax is part of our full line of RF components available for same-day shipping. Pasternack's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. This Pasternack 4.3-10 to QMA cable assembly has a male to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. The PE3C5865-50CM 4.3-10 male to QMA male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -150 dBc.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm Length Using SPP-250-LLPL Coax , LF Solder PE3C5865-50CM





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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	100			dB
Passive Intermodulation			-150	dBc
Capacitance		27 [88.58]		pF/ft [pF/m]
Inductance		0.067 [0.22]		uH/ft [uH/m]
DC Resistance Inner Conductor		3 [9.84]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	0.7	1	2.5	5.8	GHz
Insertion Loss (Max.)	0.12	0.15	0.18	0.29	0.44	dB

Electrical Specification Notes:

The insertion loss data above is based on the performance specifications of the coax cable used in this assembly. The insertion loss includes an estimated insertion loss of 0.04*SQRT(FGHz) dB maximum per connector.

Mechanical Specifications

Cable Assembly	
Length*	19.685 in [500 mm]
Cable	
Cable Type	SPP-250-LLPL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Copper
Jacket Material	FEP, Blue
Jacket Diameter	0.28 in [7.11 mm]
One Time Minimum Dand Dadius	4 05 in [04 75 mm]
One Time Minimum Bend Radius	1.25 in [31.75 mm]
Bending Moment	0.8 lbs-ft [1.08 N-m]

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Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm Length Using SPP-250-LLPL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5865-50CM

Connectors

Description	Connector 1	Connector 2	
Туре	4.3-10 Male	QMA Male	
Impedance	50 Ohms 50 Ohms		
Contact Material and Plating	Brass, Silver	Brass, Silver	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating		Phosphor Bronze, Tri-Metal	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8$ ", whichever is greater.

Environmental Specifications

Temperature Operating Range

-55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm Length Using SPP-250-LLPL Coax , LF Solder PE3C5865-50CM





Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm Length Using SPP-250-LLPL Coax, LF Solder

RF Cable Assemblies Technical Data Sheet



Typical Performance Data
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm Length Using SPP-250-LLPL Coax , LF Solder PE3C5865-50CM

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price,

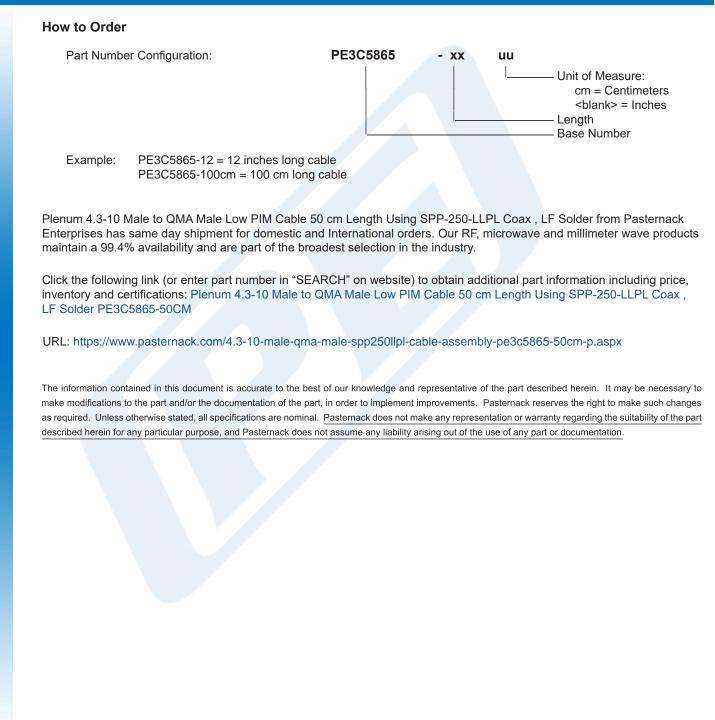




Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm Length Using SPP-250-LLPL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5865-50CM



PE3C5865-50CM CAD Drawing Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm

Plenum 4.3-10 Male to QMA Male Low PIM Cable 50 cm Length Using SPP-250-LLPL Coax , LF Solder

