



Plenum QMA Female to SMA Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5864-200CM

OUTER SHIELD

DIELECTRIC

SOLID CENTER CONDUCTOR

Configuration

- Connector 1: QMA Female
- Connector 2: SMA Male
- Cable Type: SPP-250-LLPL

Features

- Max Frequency 5.8 GHz
- Low PIM: -155 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket
- 100% Tested with PIM Test Results Marked on Cable
- UL910 Plenum Rated Cable
- Lightweight and Extremely Flexible
- Low Loss with Excellent VSWR
- IP67 (when mated)

Applications

- General Purpose
- Laboratory Use
- Low PIM Applications
- Distributed Antenna Systems (DAS)
 Plenum Installations
- Multi-Carrier Communication Systems
- PIM Testing

SPP-250-LLPL

Ø 280

[7.11]

JACKET

Description

Pasternack's PE3C5864-200CM QMA female to SMA male 200 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 QMA to SMA cable assembly has a female to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. The PE3C5864-200CM QMA female to SMA male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -155 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 QMA Female to SMA Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax, LF Solder PE3C5864-200CM

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com

© 2019 Pasternack Enterprises All Rights Reserved





Plenum QMA Female to SMA Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5864-200CM

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			-155	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]		Ohms/1000ft [Ohms/
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.)	0.31	0.39	0.46	0.75	1.17	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	79 7402 in [200 cm]
Length*	78.7402 in [200 cm]
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 Bend Radius	1.25 in [31.75 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Plenum QMA Female to SMA Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax , LF Solder PE3C5864-200CM





Plenum QMA Female to SMA Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5864-200CM

Bending Moment	0.8 lbs-ft [1.08 N-m]		
Connectors			
Description	Connector 1	Connector 2	
Туре	QMA Female	SMA Male	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Silver	Brass, Gold	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating	Brass, Tri-Metal		
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	
Coupling Nut Material and Plating		Brass, Tri-Metal	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 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 QMA Female to SMA Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax, LF Solder PE3C5864-200CM

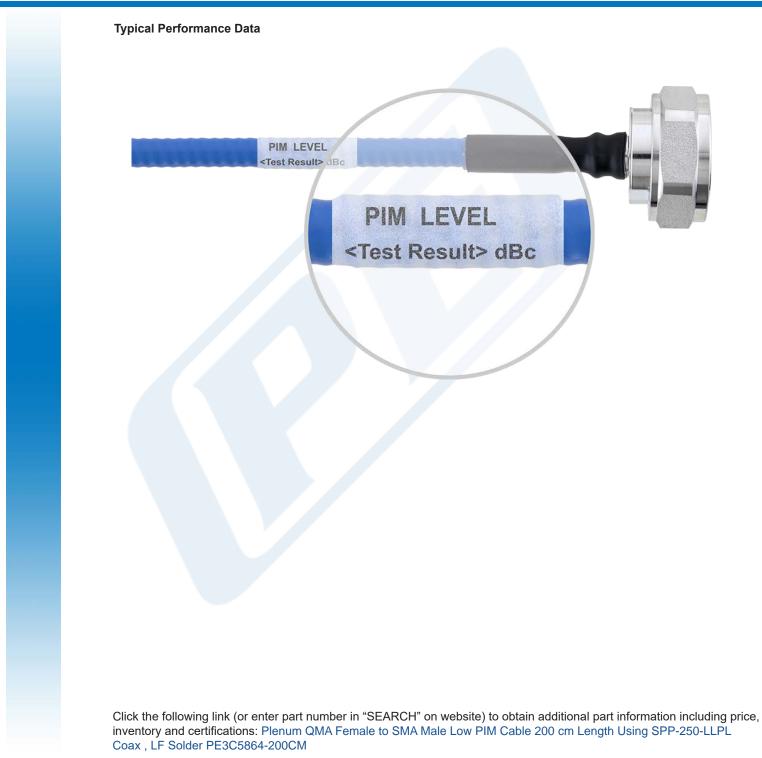




Plenum QMA Female to SMA Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet





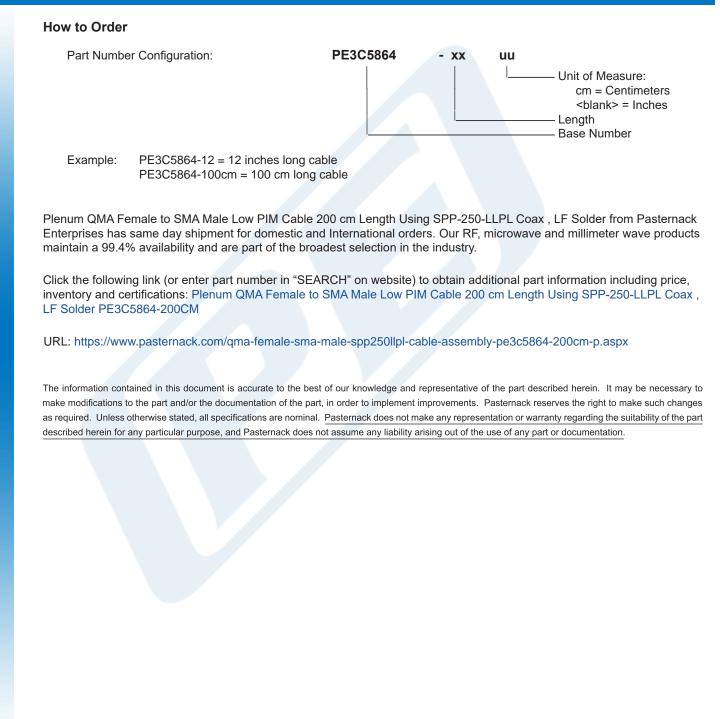




Plenum QMA Female to SMA Male Low PIM Cable 200 cm Length Using SPP-250-LLPL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5864-200CM



PE3C5864-200CM CAD Drawing Plenum QMA Female to SMA Male Low PIM Cable 200 cm

Plenum QMA Female to SMA Male Low PIM Cable 200 ci Length Using SPP-250-LLPL Coax , LF Solder

