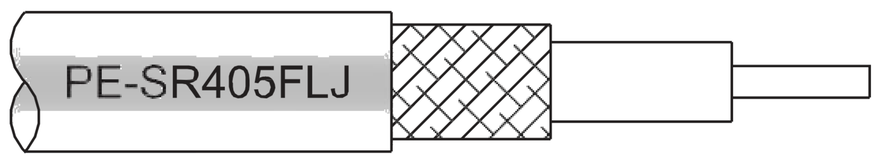
MCX Plug Right Angle to SMA Male Cable 48 Inch Length Using ET38322J Coax

RF Cable Assemblies Technical Data Sheet ET24931

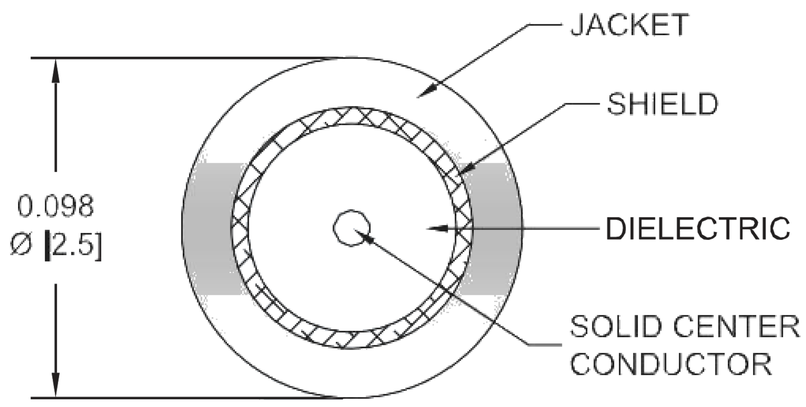
Configuration

- Connector 1: MCX Plug Right Angle
- Connector 2: SMA Male
- Cable Type: ET38323



Features

- Max Frequency 4 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket
- 500 Mating Cycles



Applications

- General Purpose
- Laboratory Use

Description

Ebeestock's ET24931 MCX plug right angle to SMA male 48 inch cable using ET38323 coax is part of our full line of RF components available for same-day shipping. Ebeestock's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Ebeestock MCX to SMA cable assembly has a plug to male gender configuration with 50 ohm formable ET38323 coax. The ET24931 MCX plug to SMA male cable assembly operates to 4 GHz. The right angle MCX interface on the ET38323 cable allows for easier connections in tight spaces.

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: MCX Plug Right Angle to SMA Male Cable 48 Inch Length Using ET38323 Coax ET24931

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park,
Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.

Webstie:www.ebeestock.com Email:sales@ebeestock.com

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/
Km]				
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/
Km]				

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	4		GHz
Insertion Loss (Max.)	0.9	1.199	1.683	2.171		dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector Loss

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]

Cable

Cable Type	ET38323
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Tinned Copper Composite Braid
Jacket Material	FEP, Black
Jacket Diameter	0.105 in [2.67 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]

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RF Cable Assemblies Technical Data Sheet ET24931

Repeated Minimum Bend Radius 0.787 in [19.99 mm]

Connectors

Description	Connector 1	Connector 2
Type	MCX Plug Right Angle	SMA Male
Specification	MIL-C-39012	
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material and Plating	Brass, Gold over Nickel	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	ASTM-B488
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Beryllium Copper, Gold
Body Plating Specification	10 µin minimum	ASTM-B488
Coupling Nut Material and Plating		Steel
Torque		7 in-lbs [0.79 Nm]

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 +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **ET3W07396 - xx uu**

- **uu** — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- **xx** — Length
- **ET3W07396** — Base Number

Example: ET3W07396-12 = 12 inches long cable
ET3W07396-100cm = 100 cm long cable

MCX Plug Right Angle to SMA Male Cable 48 Inch Length Using ET38323 Coax from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: MCX Plug Right Angle to SMA Male Cable 48 Inch Length Using ET38323 Coax ET24931

URL: https://www.ebeestock.com/mcx-plug-right-angle-to-sma-male-cable-12-inch-length-using-pe-sr405flj-coax-0024928

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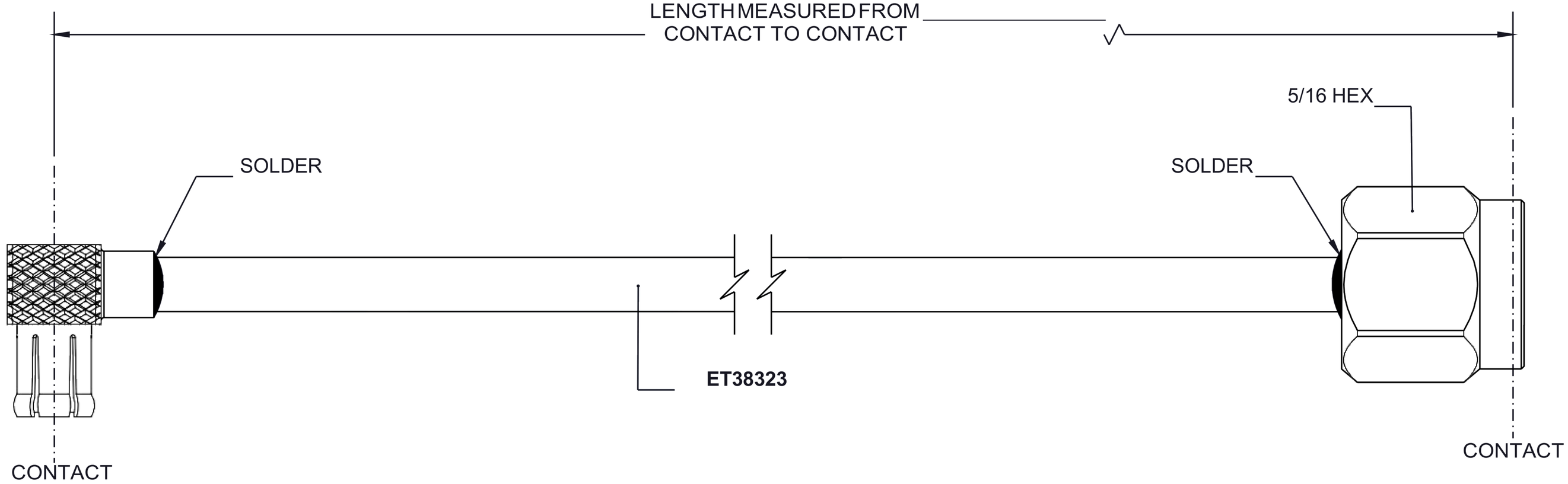
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/30/19	S.ELLIS



MCX PLUG
RA

SMA MALE

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TOLERANCES:

.X=± .2	[5.08]	FRACTIONS
.XX=± .01	[.25]	± 1/32
.XXX=± .005	[.13]	ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	ET3W07396	A

T-Rev.B