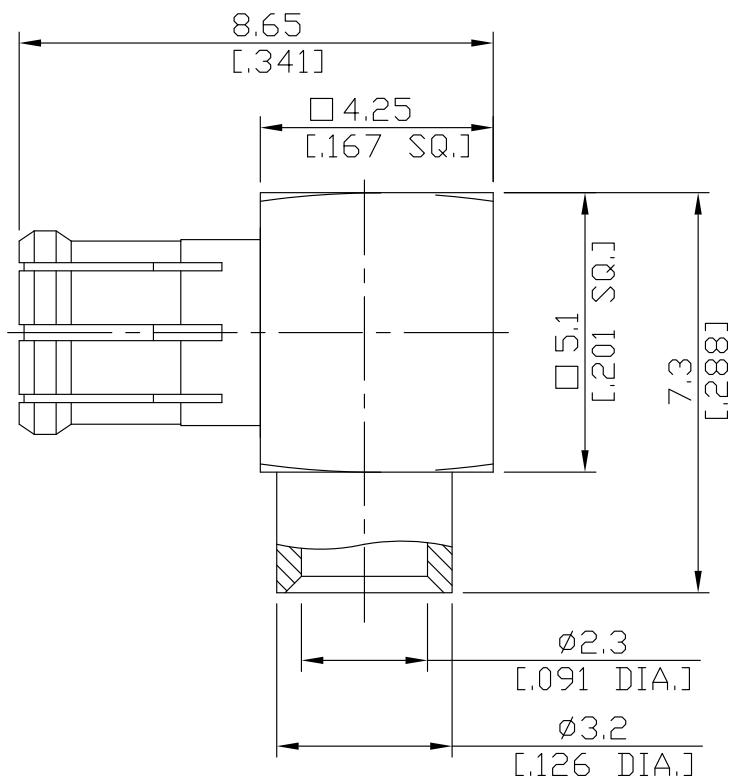## MCX Plug (Male) Straight Connector Solder/Contact Pin Solder Attachment for .085, .086, RG405; Rosnol RSR-085, RSF-085, EF405 DC-6GHz VSWR1.1

MCX1E59-0085B / H1

8.65 [.341]

□4.25 [.167 SQ.]

□5.1 [.201 SQ.]

7.3 [.288]

ø2.3 [.091 DIA.]

ø3.2 [.126 DIA.]

All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 61169-36

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.1 (≥ 26 dB)
Insertion Loss	≤ 0.05 x $\sqrt{F}$ (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 5 mΩ
Outer Contact Resistance	≤ 2.5 mΩ
Test Voltage	750 V rms
Working Voltage	335 V rms

- Limitations are possible due to the used cable type -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Gasket	Silicone Rubber	

Rev.:-

Date: 12/7/2020

MCX Plug (Male) Straight Connector Solder/Contact Pin Solder Attachment
for .085, .086, RG405; Rosnol RSR-085, RSF-085, EF405 DC-6GHz VSWR1.1

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Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Center contact captivation	≥ 10 N
Engagement force	≤25 N
Disengagement force	8 N min. to 20 N max.
Centre Contact	Soldered
Cable Entry	Soldered

Environmental Data

Temperature Range	-55°C to +165°C
Thermal Shock	CECC 22 220, Chapter 4.6.7
Corrosion	CECC 22 220, Chapter 4.6.10
Vibration	CECC 22 220, Chapter 4.6.3
Moisture Resistance	CECC 22 220, Chapter 4.6.6
RoHS	compliant

Suitable Cables

.085, .086, RG405; Rosnol RSR-085, RSF-085, EF405

Weight

N/A

Packing

Single or 100