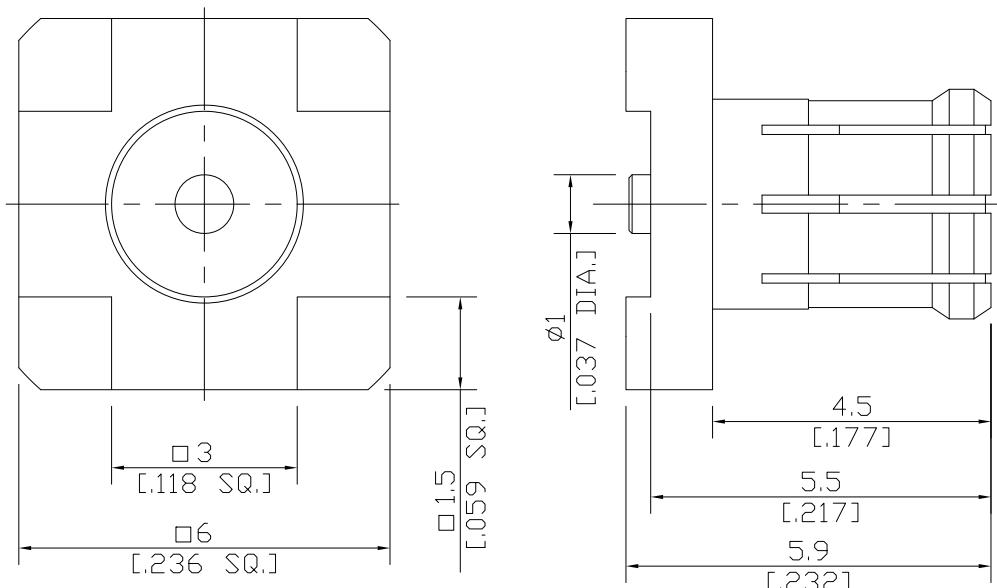


MCX Plug (male) Connector Solder Pin Through Hole PCB
Surface Mount Straight DC-6GHz, VSWR ≤ 1.20

MCX1I50-0590A / 1H



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)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

$\leq 0.05 \times \sqrt{f}$ (GHz) dB

Insulation Resistance

≥ 1 G Ω

Center Contact Resistance

≤ 5.0 m Ω

Outer Contact Resistance

≤ 2.5 m Ω

Test Voltage (at sea level)

750 V rms

Working Voltage (at sea level)

335 V rms

Material And Plating

Piece Parts

Material

Plating

Centre Contact

Brass

Gold plating, 3 μ inch

(Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Body

Phosphor Bronze

Gold plating, 3 μ inch

(Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Insulator

PTFE



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Mechanical Data

Coupling mechanisms	Snap-lock
Mating Cycles	\geq 500
Engagement Force	\leq 25 N
Disengagement Force	8 N min. to 20 N max.
Center Contact Captivation	\geq 10 N

Environmental Data

Temperature Range	-55°C to +155°C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
RoHS	compliant

Packing

Single or 100