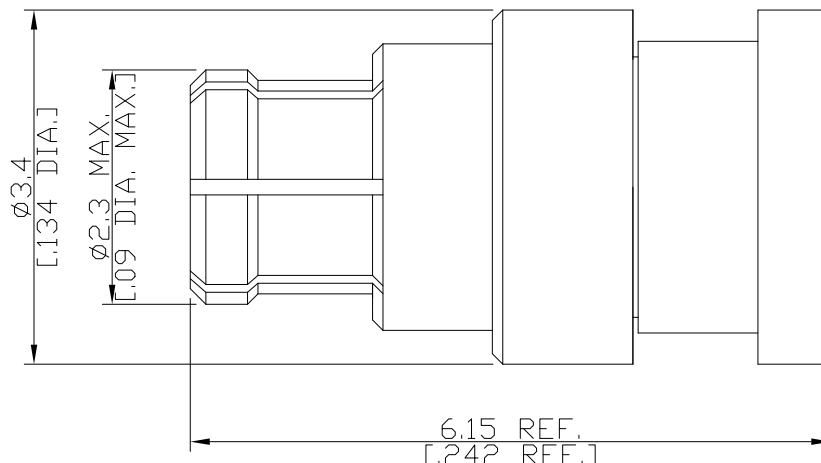


SMPM Jack (Female) Snap-On Connector Solder Attachment
for .085, .086, RG405, EF405 DC-40 GHz VSWR 1.40

SMPM2E50-EZ085A / 99



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-PRF-31031; MIL-STD-348B/328

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.40 (≥ 15.56 dB)
Insertion Loss	≤ 0.1 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 6.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
Test Voltage (at sea level)	217 V rms
Working Voltage (at sea level)	150 V rms

-VSWR in application depends decisive on cable assembly process-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Insulator	PTFE	

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SMPM2E50-EZ085A / 99

Mechanical Data

Coupling mechanisms	Snap-on	
Mating Cycles	Mating with Smooth Bore	≥ 500
	Mating with Full Detent	≥ 100
Center Contact Captivation: axial	≥ 7 N	
Engagement Force	Smooth Bore	11 N max.
	Full Detent	19 N max.
Disengagement force	Smooth Bore	7 N min.
	Full Detent	29 N min.
Centre Contact	Plug-in	
Cable entry	Soldered	

Environmental Data

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. A
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Suitable Cables

.085, .086, RG405, EF405

Packing

Single or 100