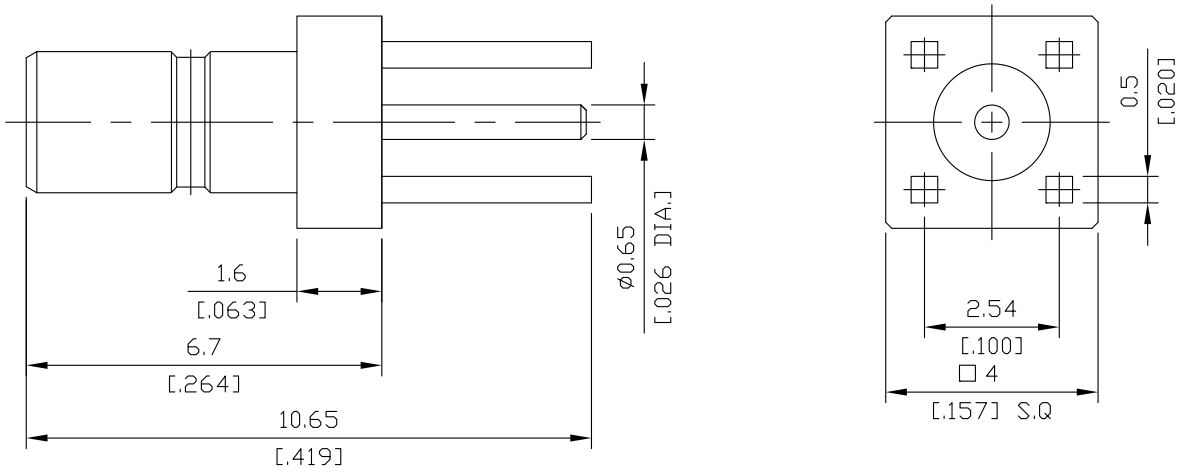
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

SSMB Jack(female) Connector Solder Attachment Through Holes Straight PCB DC-3GHz VSWR1.33

SSMB2I50-1065A / 11



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

Interface

According to	MIL-STD-348A/320 ;MIL-STD-348B/320 EN 122170; IEC 61169-19

Electrical Data

Impedance	50 Ω
Frequency	DC to 3 GHz
VSWR (Return Loss)	≥ 1.33 (≥ 17 dB)
Insertion Loss	≤ 0.1 x $\sqrt{F\ (GHz)}$ dB
Insulation Resistance	≥ 1 GΩ
Center Contact Resistance	≤ 5 mΩ
Outer Contact Resistance	≤ 2.5 mΩ
Test Voltage	500 V rms
Working Voltage	175 V rms
RF leakage	≥ 40 dB @ DC to 1 GHz

Material And Plating

Connector parts	Material	Plating
Centre contact	Brass	Gold plating(Nickel underplated)
Body	Brass	Gold plating(Nickel underplated)
Insulator	PTFE	

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified

SSMB Jack(female) Connector Solder Attachment Through Holes Straight PCB DC-3GHz VSWR1.33

SSMB2I50-1065A / 11

Mechanical Data	
Coupling mechanisms	Snap-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 8 N
Engagement force	8 N to 27 N
Disengagement force	8 N to 27 N
Environmental Data	
Temperature Range	-55°C to +155°C
Climatic category	IEC 60068-2-1 55/155/21
Vibration	IEC 60068-2-6(10 Hz to 500 Hz, 98 m/s²)
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Packing	
	Single or 100

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified