

SSMB



INTRODUCTION

GENERAL

- DC - 12 GHz
- Impedance 50Ω
- Snap-on coupling
- Micro-miniature connectors
- Very low weight and size

APPLICABLE STANDARDS

- MIL-STD-348A
- IEC 169-19
- MIL-PRF-39012

SSMB is a small size version of SMB, developed in 1995.

APPLICATIONS

- Civil and military telecommunications
- Video equipment

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS
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GENERAL

Impedance	50Ω
Frequency Range	DC - 12.4 GHz
Temperature Range	-65 °C to + 165 °C

ELECTRICAL CHARACTERISTICS

Insertion Loss in dB	0.3√F (GHz)	
RF Leakage	< -55 dB at 1 GHz	
VSWR	RG 178 Cable: 1.25 + 0.02F (GHz)	
Contact Resistance	Center Contact: 5mΩ max. Outer Contact: 1mΩ max.	
Insulation Resistance	1000MΩ	
Voltage in VRMS	Dielectric Withstanding Voltage > 500V 100V	Working Voltage < 250V 60V
• At Sea Level		
• At 70,000 ft		

MECHANICAL CHARACTERISTICS

Cable Retention Force	RG 174 : 50 N - RD 316 : 100 N
Mating Endurance	500
Center Contact Retention Force	≥ 8 N
• Force to Engage	≤ 27 N
• Force to Disengage	≥ 8 N

ENVIRONMENTAL CHARACTERISTICS

Vibration	CEI60 169-19/68-2-6 (10g-10 to 500 Hz)
Shock	MIL-STD-202, Method 213, Condition B, 75g-6ms 1/2 sinus
Corrosion (Salt Mist)	MIL-STD-202, Method 101, Condition B (48h)

MATERIALS AND PLATING

	Material	Plating
Body	Brass	Gold
Contacts	Beryllium Copper	Gold
Insulators	PTFE	-