SSMB



INTRODUCTION

GENERAL

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

APPLICATIONS

- Civil and military telecommunications
- Video equipment

APPLICABLE STANDARDS

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

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

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS	
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 **• At Sea Level** **• At 70,000 ft**	Dielectric Withstanding Voltage > 500V 100V	Working Voltage < 250V 60V
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 **• Force to Disengage**	≤ 27 N ≥ 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	-