

### P / N : 1280030

Somefly's Hermetically sealed 1.85mm female to 1.85mm female bulkhead adapter mechanically connects to 1.85mm and 2.4mm connectors. The 1.85mm to 1.85mm adapter features female-to-female gender construction, is made of durable stainless steel, and operates at 67 GHz. Somefly's Hermetically Sealed RF adapters provides good VSWR of 1.5:1 maximum. This hermetically sealed 1.85mm to 1.85mm adapter prevents gas leakage, making it suitable for high-pressure or vacuum applications, or wherever a gas-tight seal is required.



### Technical data

Electrical data		
Impedance	50 Ω	
Frequency range	DC to 67 GHz	
VSWR	1.5:1	
Dielectric withstanding voltage (AC)	750 Vrms	
Working voltage (AC)	≤ 250 Vrms	
Insulation resistance	≥ 5000 MΩ	
RF Leakage	100dB	
Mechanical data		
Coupling nut torque Recommended	0.9 Nm	
Connector Option	Hermetically Sealed	
Durability (mating)	≥ 500	
Weight	0.0159lbs(7.20g)	
Size	Length:0.9215in(23.4mm)	Width:(Dia):0.551in(14.0mm)
Environmental data		
Temperature range	-65 to +165 °C	
Hermetic Seal	1*10 <sup>-8</sup> cc/sec of Helium at 1 ATM	
Material data		
Connector parts	Material	Plating
Body	Stainless steel	Passivation
Nut	Stainless steel	Passivation
Centre contacts	Beryllium Copper	Gold
Support beads	Glass	

### Mechanical Outline

