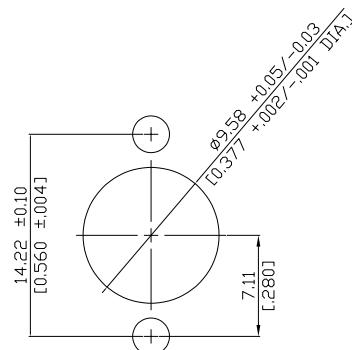
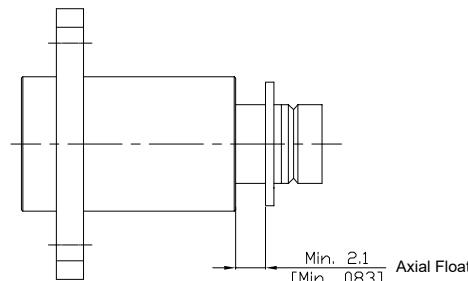
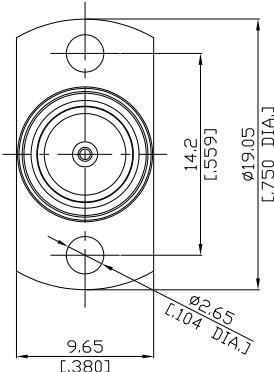
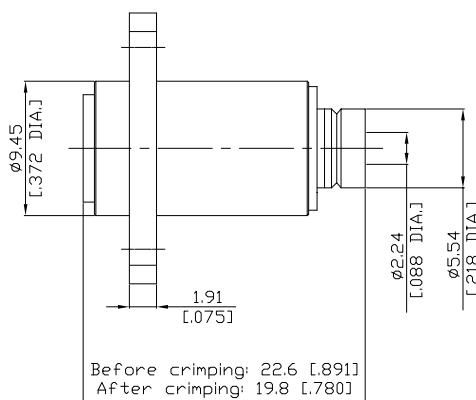




**BMA (Female) Straight  
2-Hole Panel Crimp Cable Jack**

**BMA2CBT50-0085A/91X**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 61169-33; MIL-STD-348B/321

**Electrical Data**

Impedance	50 Ω
Frequency	DC to 22 GHz
VSWR (Return Loss)	DC-18 GHz: ≤ 1.14 (≥ 23.69 dB)      18-22 GHz: ≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.03 x √f (GHz) dB
Insulation Resistance	≥ 5.0 GΩ
Center Contact Resistance	≤ 2.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
Outer Contact to Cable Resistance	≤ 0.5 mΩ
Dielectric Withstanding Voltage	1000 V rms
Corona Extinction Voltage (@70,000 ft)	335 V rms (min.)
RF High Potential (@ sea level; @ 5 MHz)	670 V rms
RF Leakage (Interface only)	-{90-f(GHz)} dB (min.; fully mated)
Power Handling (@ sea level; room temp.)	300 W @ 3 GHz

- Limitations are possible due to the used cable type and manufacturing method.

**Mechanical Data**

Coupling mechanisms	Slide-on
Centre contact	Plug-in
Cable entry	Crimped
Force to Engage	3 pounds (max.)
Force to Disengage	1.5 pounds (max.)
Center Contact Retention	6 pounds (min.)
Mating Cycles	≥ 5,000



**BMA (Female) Straight  
2-Hole Panel Crimp Cable Jack**

**BMA2CBT50-0085A/91X**

**Environmental Data**

Temperature range	-65°C to +125°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. I (100G's)
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D (20G's)
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Material And Plating**

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body parts	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Housing	Stainless Steel	Passivated
Insulator	PTFE	

**Suitable Cables**

.085 type cables

**Packing**

Single or 100