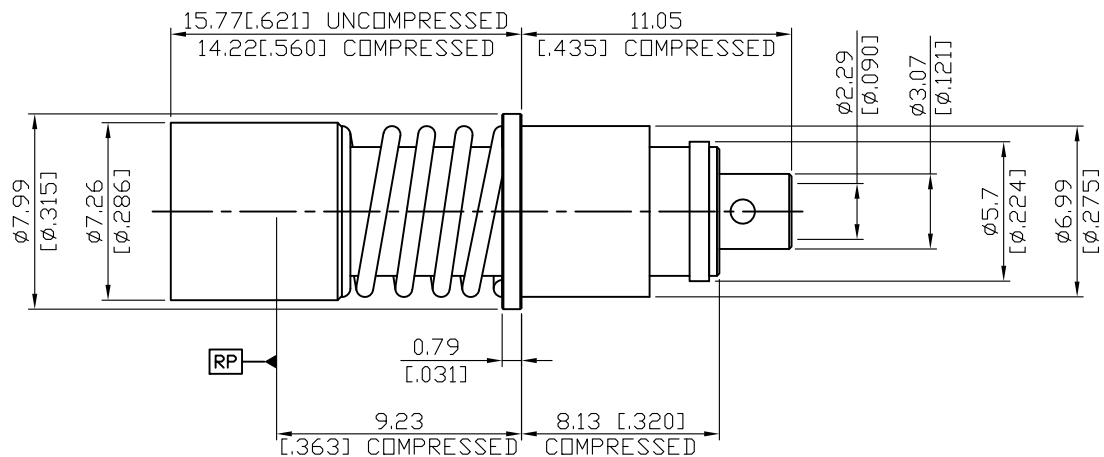


BMA8300Q1-0085

M38999/BMA Size 8 Socket For RG405
18GHz VSWR 1.3

50Ω



Parts	Material	Plating (Micro-inch)
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Spring Ring	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Spring	Stainless Steel	Passivated
Ferrule	Stainless Steel	Passivated
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Body	Stainless Steel	Passivated

Suitable Cables: SS405; 5002; T-Flex405; Multibend405; Semi-rigid.085;
Multiflex86; Formable .085; RG405

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BMA

BMA8300Q1-0085

Interface

MIL-STD-348B

Electrical Data

Impedance	50Ω
Frequency range	DC to 18GHz
VSWR	≤ 1.3 (DC to 18GHz)
Insertion loss	$\leq 0.03 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	$\geq 5000\text{M}\Omega$
Contact resistance inner conductor	$\leq 2\text{m}\Omega$
Contact resistance outer conductor	$\leq 2\text{m}\Omega$
Dielectric withstanding voltage (at sea level)	1000 V rms
Working voltage (at sea level)	670 V rms

Mechanical Data

Engagement force	≤ 3 lbs
Disengagement force	≤ 1.5 lbs
Contact captivation-axial	≥ 6.1 lbs
Durability (mating)	≥ 1000

Environmental Data

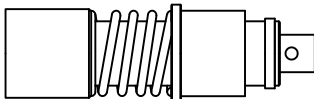
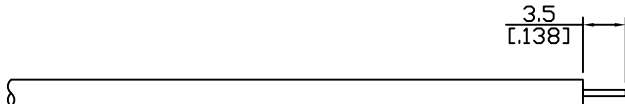
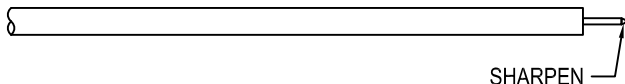
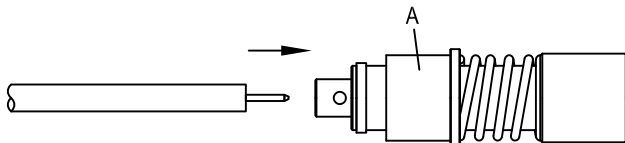
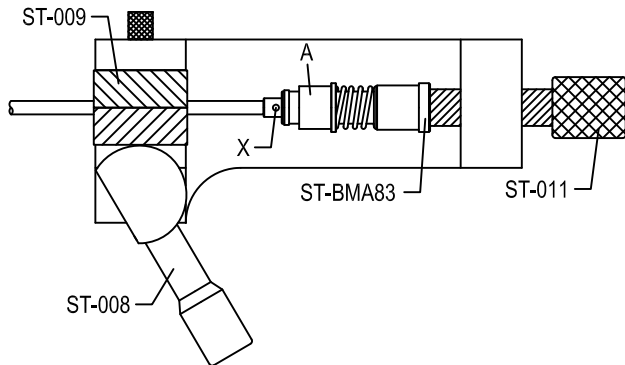
Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

Tooling

Soldering fixture	ST-008
Insert for 0.85inch semi-rigid cable	ST-009
Locator tool	ST-011, ST-BMA83

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

BMA8300Q1-0085		DATE	2018/09/05	REV	—
A  BODY					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SHARPEN CENTER CONDUCTOR TIP.		
			Step 3: SLIDE CABLE INTO CONNECTOR BODY "A".		
			Step 4: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " AND " ST-BMA83 " TO FIX THE CONNECTOR. SOLDER IN " X ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

BMA8300Q1-0085

