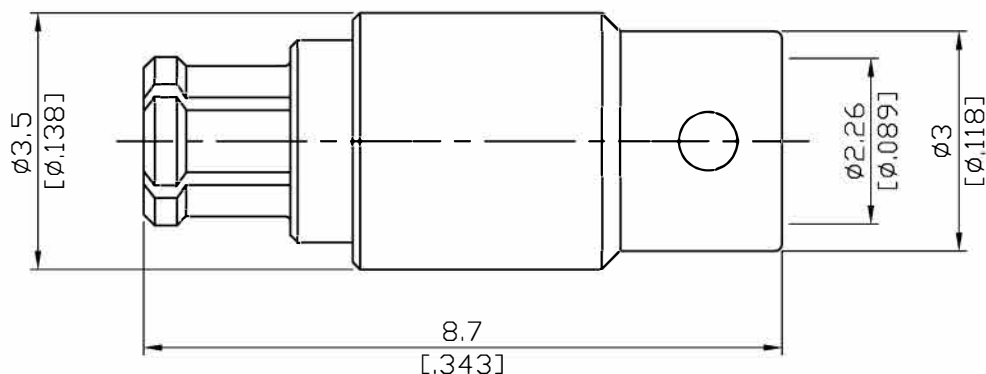


SMPM8300-0085

SMPM Jack Solder For RG405;
27GHz VSWR 1.3

50Ω



Parts	Material	Plating (Micro-inch)
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: Semi-Rigid .085

This part number complies with RoHS.

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

SMPM		SMPM8300-0085		
Interface				
MIL-STD-348B				
Electrical Data				
Impedance	50Ω			
Frequency range	DC to 27GHz			
VSWR	≤ 1.3 (DC to 27GHz)			
Insertion loss	≤ 0.1 x √f(GHz) dB			
Insulation resistance	≥ 5000 MΩ			
Contact resistance inner conductor	≤ 6mΩ			
Contact resistance outer conductor	≤ 2mΩ			
Dielectric withstanding voltage (at sea level)	325			
Mechanical Data		Full Detent	Smooth bore	
Engagement force		3.5 typical	1.5 typical	lbs
Disengagement force		5.0 typical	1.5 typical	lbs
Durability (mating)		≥ 100	≥ 1000	
Contact pin captivation		≥ 1.5lbs		
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 gauge	ST-0.2			
Soldering fixture	ST-008			
Insert for .085 semi-rigid cable	ST-009			
Locator tool	ST-011			

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMPM8300-0085		DATE	2017/09/25	REV	—
A		B			
BODY		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: PUT 0.2 MM GAGE ST-0.2 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
		Step 3: USE SOLDERING FIXTURE " ST-008 " , INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " 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	

SMPM8300-0085

