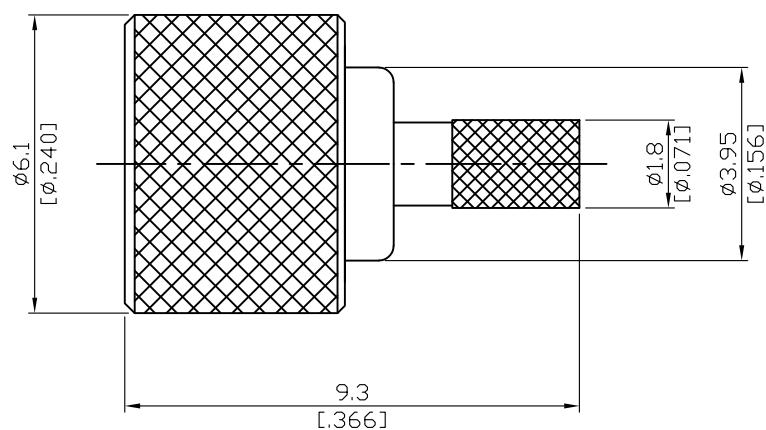


MD3100S-0178

Microdot crimp plug for RG178
2GHz VSWR 1.2

50Ω



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

Suitable Cables: RG178, RG178-FEP

This part number complies with RoHS.

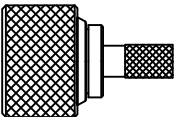
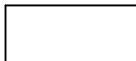
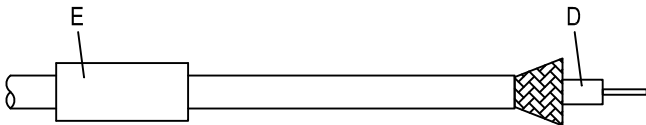
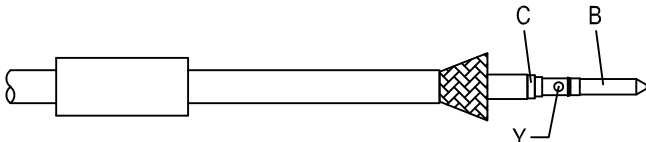
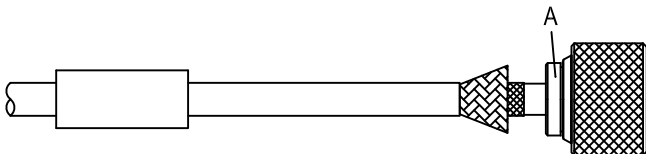
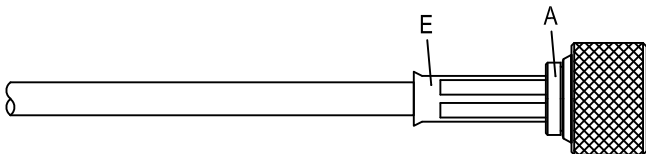
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

Description	MD3100S-0178
Interface compatible with MALCO microdot	
Electrical Data	
Impedance	50Ω
Frequency Range	DC to 2GHz
VSWR	≤1.2 (DC to 2GHz)
Insulation Resistance	≥5000MΩ
Contact Resistance Inner Conductor	≤3mΩ
Contact Resistance Outer Conductor	≤3mΩ
Dielectric Withstanding Voltage (at sea level)	1000 V rms, 50Hz
Contact current (DC)	≤3 A typ
Mechanical Data	
Durability (mating)	≥ 500
Environmental Data	
Temperature Range	-65°C to +125°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	
Crimping tool	CRT-1 or CRT-2
Crimp insert	INSERT-A

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

MD3100S-0178		DATE	2022/02/11	REV	—
A	B	C	D	E	
					
BODY	CONTACT PIN	INSULATOR	FERRULE	FERRULE	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " E " OVER CABLE. Step 3: LOOSEN BRAIDING AND SLIDE FERRULE " D " IN PLACE.		
			Step 4: PUT INSULATOR " C " AND PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A IF CRIMPED)		
			Step 5: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.		
			Step 6: SLIDE FERRULE " E " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 2.55mm/0.100inch HEX SECTION OF INSERT-A)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	Albert

MD3100S-0178

