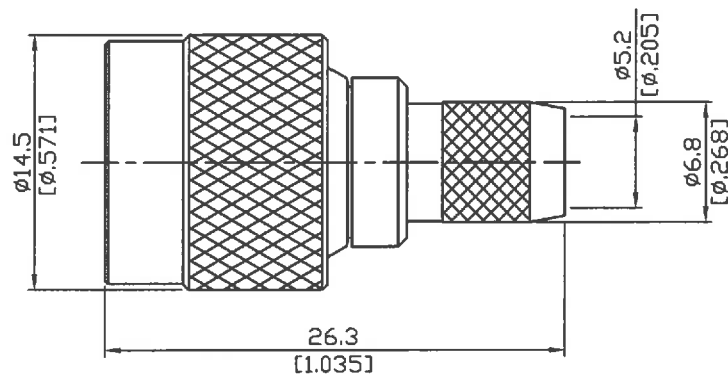


TNC3100-05DF

TNC Plug Crimp For 5DFB and Aircell7;
6GHz VSWR 1.2

50Ω



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

Suitable Cables: 5DFB and Aircell7

This part number complies with RoHS.

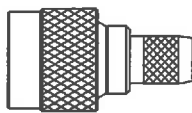
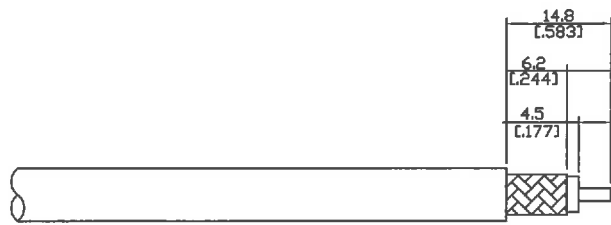
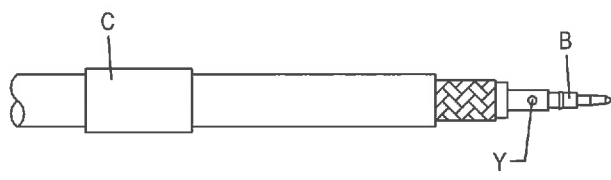
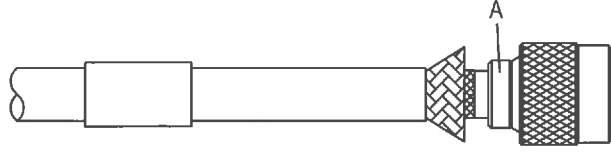
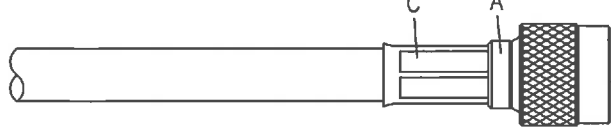
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

TNC	TNC3100-05DF
Interface MIL-STD-348B	
Electrical Data Impedance 50Ω Frequency range DC to 6GHz VSWR ≤ 1.2 (DC to 6GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 1.5\text{m}\Omega$ Contact resistance outer conductor $\leq 1\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1500 V rms Working voltage (at sea level) 500 V rms	
Mechanical Data Recommended coupling nut torque 4.1 to 6.1 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 101.2 lbs Contact captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 500	
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 Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-C ,INSERT-D	

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

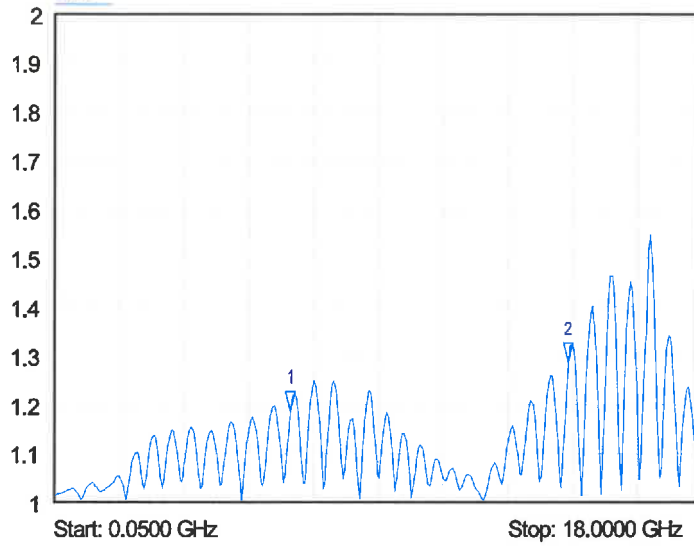
JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

TNC3100-05DF		DATE	2021/09/10	REV	—
A		B		C	
					
BODY		CONTACT PIN		FERRULE	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE "C" OVER CABLE. Step 3: PUT PIN "B" ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN "Y". (USE SQUARE 2.4mm/0.094inch SECTION OF INSERT-C IF CRIMPED)		
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.		
			Step 5: SLIDE FERRULE "C" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 7.9mm/0.311inch HEX SECTION OF INSERT-D)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

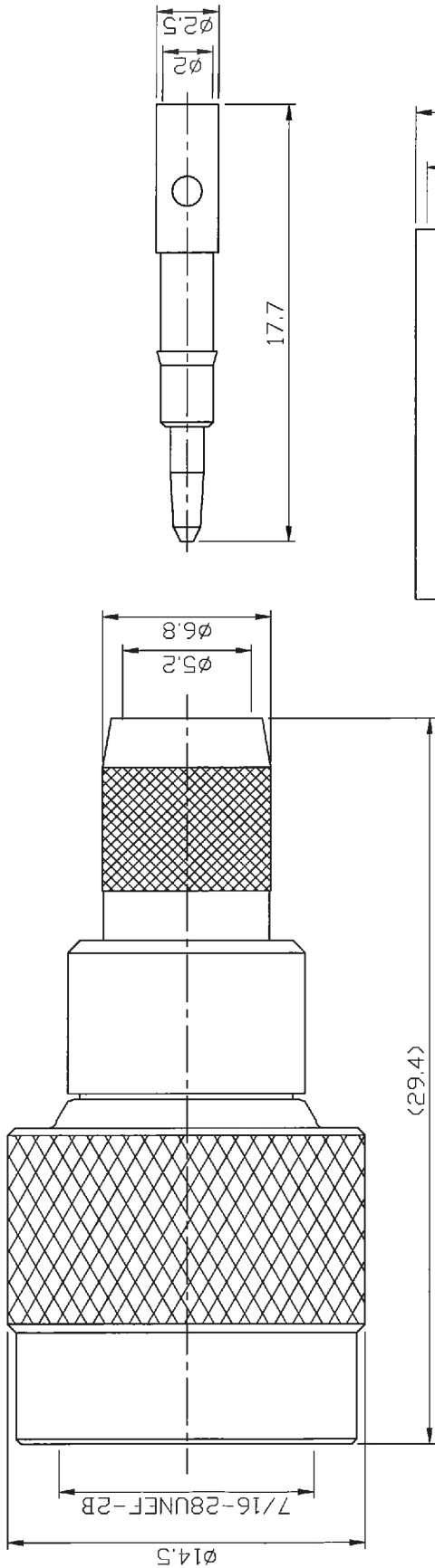
TNC3100-05DF

SoftPlot Measurement Presentation
VSWR S22



- 1 S22
▽ 6.6000 GHz
1.19 VSWR
- 2 S22
▽ 14.3000 GHz
1.29 VSWR

REVISION			
ASS. CON. REV. REV.	DESCRIPTION	DATE	APPROVED
T	T	INITIAL RELEASE	2020/12/04



VSWR 1.2 : 1 UP TO 6GHz

NOTES: FINISH (PLATING THICKNESS IN MICRO-INCHES)

1. BRASS.
2. TIN-ZINC-COPPER-ALLOY PL. 100 MIN. OVER COPPER PL. 50 MIN.
3. GOLD PL. 4 MIN. OVER NICKEL-PHOSPHORUS ALLOY PL. 80 MIN. OVER COPPER PL. 20 MIN.

JYE BAO CO., LTD.				TAIPEI TAIWAN			
TNC PLUG CRIMP				TNC3100-05DF			
DRAWING NO.				DATE			
TESTER				DATE			
CHECKED				DATE			
APPROVED				DATE			
SCALE				UNIT			
4 / 1				MM			
DIMENSION ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED				TOLERANCES			
0-0.5 = ±0.03				0.5-5 = ±0.05			
5-10 = ±0.07				10-20 = ±0.10			
20-30 = ±0.15				30- = ±0.20			
ANGLE ±5°							
NO.	DESCRIPTION	MATERIAL	FINISH	QTY	PART NO.	REV	
6	FERRULE	COPPER	NOTE 2	1	N3100-5DFB-8/W	B	
5	GASKET	SILICONE		1	TNC3100-0213-5	B	
4	CONTACT PIN	NOTE 1	NOTE 3	1	TNC3100-05DF-4/NM	T	
3	INSULATOR	TEFLON		1	AD-B3M8-4	A	
2	BODY	NOTE 1	NOTE 2	1	TNC3100-05DF-2/W	T	
1	SHELL	NOTE 1	NOTE 2	1	TNC3300-1/W	-	