

1. Electrical


Value

- 1.1 Impedance 50 Ohm
- 1.2 Frequency DC to 70GHz
- 1.3 VSWR 1.30:1 Max
- 1.4 Insertion Loss 0.03dB x Sq.Rt(FGHz)
- 1.5 Voltage Rating 180Vrms(Max.)
- 1.6 Insulation Resiatnce >1,000MOhm
- 1.7 Center Contact Resistance <3mOhms
- 1.8 Outer Contact Resistance <2mOhms

2. Environmental

- 2.1 Temperature Range -40°C to +110°C
- 2.2 RoHS Status Compliant
- 2.3 Durability >500 Cycles

5	Coupling Nut	Stainless Steel	Passivated
4	Clip Ring	BeCu	Natural
3	Contact	BeCu	Gold
2	Insulator	Noryl	Natural
1	Body	BeCu	Gold
ITEM	DESCRIPTION	MATERIALS	FINISH

					Customer DWG	Title: 1.85mm Male Plug for ø0.085" Direct Solder				
					Remarks: DIM. in Inches	Originated: 02/01/16	Contact: Sales@ConductRF.com Tel: +1 978 374 6840	Range: 1.85mm		Sheet 1 of 1
						Dwg Ref: PBM12D-A28				
1	Pre-Release		DG	02/01/16	Dimensions are nominal & are reference only, unless specifically called out.	Checked: JW	Approved: PL	Rev: 1	Part No: PBM12D-A28S01	
REV.	DESCRIPTION	ECN	DRAWN	DATE						
REVISION HISTORY										

Assembly Instructions

PBM12D-A28



	<p>1.0 PREPARATION OF CABLE:</p> <ol style="list-style-type: none"> 1.1 TRIM CABLE TO DIMENSIONS SHOWN. THE CABLES OUTER CONDUCTOR & DIELECTRIC SHOULD BE 90° FROM CENTERLINE OF CABLE. CARE SHOULD BE TAKEN NOT TO NICK CABLE DIELECTRIC OR INNER CONDUCTOR DURING THIS OPERATION. 1.2 FILE BLUNT END OF CABLE INNER CONDUCTOR TO A 60°/90° CONE. 1.3 INSPECT CABLE PREPARATION FOR DISTORTION OR JAGGED EDGES. REMOVE BURRS & SHARP EDGES FROM OUTER CONDUCTOR WITH SCOTCH BRITE. CARE SHOULD BE TAKEN TO AVOID DAMAGING OR DISTORTING CABLE DIELECTRIC.
	<p>2.0 SOLDERING OF CABLE TO CONNECTOR BODY:</p> <ol style="list-style-type: none"> 2.1 APPLY A SMALL AMOUNT OF FLUX APPROXIMATELY .140 INCHES FROM SHOULDER OF OUTER CONDUCTOR. 2.2 INSERT CABLE INTO BACK END OF CONNECTOR BODY UNTIL IT BOTTOMS AGAINST THE CABLE STOP LOCATED INSIDE CONNECTOR BODY. CARE SHOULD BE TAKEN NOT TO BEND OR DAMAGE INNER CONDUCTOR, DIELECTRIC, OR CENTER CONTACT OF CONNECTOR. 2.3 PLACE CABLE / CONNECTOR BODY INTO FIXTURE BASE AND SECURE TO PREVENT MOVEMENT WHILE SOLDERING. 2.4 USING A RESISTIVE SOLDERING IRON, HEAT BODY (HOLDING DOWNWARD) UNTIL SOLDER FLOWS EVENLY AROUND CABLE AND CONNECTOR BODY. 2.5 REMOVE CABLE ASSEMBLY FROM FIXTURE BASE AND CLEAN SOLDER JOINT WITH SOLVENT (ALCOHOL) AND VERIFY THAT SOLDER IS FREE OF VOIDS. <p>NOTE:</p> <ol style="list-style-type: none"> 1. DO NOT FORCE CABLE INTO BODY OF CONNECTOR. ONLY MINIMAL FORCE IS REQUIRED DURING THIS PROCESS. IF THE CABLE BECOMES DIFFICULT TO INSERT INTO CONNECTOR BODY REFER TO <u>STEP 1.3</u>. INSPECT CABLE DIELECTRIC FOR DAMAGE & DISTORTION. 2. EXCESSIVE HEAT CAUSES DIELECTRIC TO SHRINK BELOW ACCEPTABLE LEVELS. HEAT SOLDER ONLY UNTIL IT STARTS TO FLOW.
<p>2.0 ENLARGED VIEW OF CABLE ASSEMBLY:</p>	

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