

## COAXIAL CONNECTOR & ADAPTER

### ::: BT43/SMZ :::



BT43 Straight Female Crimp  
LTCN-402AF-XX



BT43 Straight Male Crimp  
LTCN-401M-XX



BT43 U-Link with Test Port  
LTCN-408-FFM



BT43 U-Link without Test Port  
LTCN-407-FF

#### Electrical

Impedance	75 Ohm
Frequency Range	≤ 3 GHz
VSWR	≤ 1.20 Max (Straight)
	≤ 1.25 Max (Right Angle)
Dielectrical Withstanding Voltage	1500 volts rms at sea level
Contact Resistance	Centre Contact ≤ 1.5 Milliohms Max Outer Contact ≤ 1.0 Milliohms Max
Working Voltage	500 volts rms max at sea level
Insulation Resistance	≤ 5000 Megaohms Min

#### Mechanical & Environment

Engagement Force	≤ 60N
	≤ 40N (Only for U-Link)
Disengagement Force	8/60N
	20/40N (Only for U-Link)
Center Contact Retention Force (Axial)	≤ 22N
Tensile Strength of Coupling (Push-Pull)	≤ 220N
Cable Retention Force	≤ 220N (For Cable BT2003)
	≤ 60N (For Cable RG179)
	≤ 150N (For Cable BT3002)
Connector Durability (Matings)	≤ 250
Temperature Range	-40°C / 100°C
Vibrations	MIL-STD-202 Method 204 Test Cond.A
High Temperature	MIL-STD-202 Method 108 Test Cond.D (100°C for 1000h)
Thermal Shock	MIL-STD-202 Method 107 Test Cond.B

#### Material

Connector Body	Brass
Center Contact	Male : Brass/Beryllium Copper Female : Brass Copper
Spring Outer Contact	Spring Bronze
Insulator	Polyacetal
Plastic Parts	PTFE
Crimp Ferrule	Soft Copper