

## 4.3-10 Right Angle Male Connector for 1/2" Coaxial Cable, OMNI FIT™ standard

OMNI FIT™ high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminum) cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment. All RFS Technologies connectors are fully tested for mechanical and electrical compliance to industry specifications. The 4.3-10 connector is an innovative, space-saving RF connection meeting all requirements even under the most severe environmental conditions and not relying on coupling nut torque to meet PIM performance.

#### **FEATURES / BENEFITS**

- Cost effective two-piece design for safe and easy installation
- Robust mechanical design for low and consistent intermodulation performance i.e. keeps the mobile network performance up, reduces the number of dropped calls and avoids revenue losses
- Standard electrical performance for consistent and repeatable VSWR i.e. ensure network system performance
- Waterproof to IP 68 i.e. no downtime risk, secures revenue
- RoHS (EU) compliant i.e. can be used on a global basis



43MR-LCF12-C03

### **Technical features**

<b>GEN</b>	<b>ERA</b>	L SPE	CIFIC	ATION	S
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Transmission Line Type	nnsmission Line Type Coaxial Cable			
Cable Size		1/2		
Cable Type		Foam Dielectric		
Model Series	LCF12-50 Series	ICA12-50 Series	RCF12-50 Series	
Connector Interface		4.3-10 Right Angle		
Connector Type		OMNI FIT™ Standard		
Sealing Method		O-ring		
Gender		Male		

#### **ELECTRICAL SPECIFICATIONS**

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-162 ; typical -166
Maximum Frequency	GHz	6.0
VSWR, Return Loss	VSWR (dB)	0 < $f \le 2.2$ GHz: 1.04 (34.1) 2.2 < $f \le 2.7$ GHz: 1.06 (30.7) 2.7 < $f \le 3.7$ GHz: 1.13 (24.3) 3.7 < $f \le 5.0$ GHz: 1.20 (20.8) 5.0 < $f \le 6.0$ GHz: 1.33 (17)

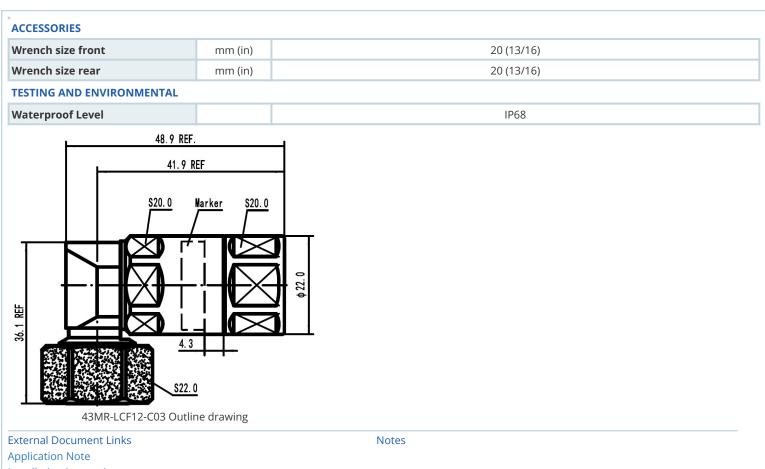
#### **MECHANICAL SPECIFICATIONS**

Plating Outer/Inner		Trimetal/Silver
Length	mm (in)	56.8 (2.23)
Outer Diameter	mm (in)	36.1 (1.4)
Inner Contact Attachment		Spring Finger
Outer Contact Attachment		Spring O-Ring

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Installation instruction

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