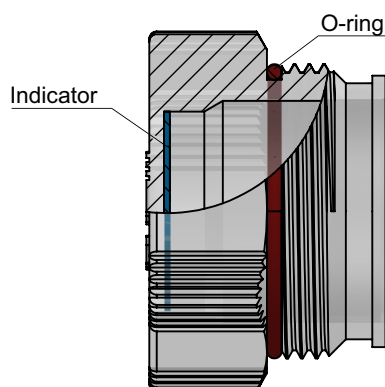




Product Specification

Clean Cap For 4.3-10 Male Connectors

07-94012132



Description

Anti- PIM protection cap for 4.3/10 Male coaxial connectors.

Humidity is a silent source of PIM in coaxial interfaces. Clean Cap is an IP68 protective cover for unconnected antennae ports and other open interfaces. Hughes proprietary indicator alerts users to the presence of humidity and acts as a warning to the threat of PIM and other connection problems.

Technical Specification

Suitable for	4.3-10 Connectors
Sealing	EPDM O-Ring
Waterproof Rating	IP68 (when mated)
RoHS	Compliant

Material Specification

Material	Transparent PC with UV Inhibitor	
UV Resistance	UV380 Resistance, Good	
Flammability	Nominal Value Unit	Test Method
Flame Rating – UL		UL94
	0.0748 in	HB
	0.0157 in	V-2
Optical	Nominal Value Unit	Test Method
Refractive Index	1.585	ASTM D542
Transmittance (118 mil)	88.0%	ASTM D1003
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+15 Ω	IEC 60093
Volume Resistivity	1.0E+15 $\Omega \cdot \text{cm}$	IEC 60093
Dielectric Strength (0.0630in) ⁵	762 V/mil	ASTM D149
Dielectric Constant		
	60 Hz	2.950
	1E+6 Hz	2.900
Arc Resistance	110sec	ASTM D495
Electric Strength	760 V/mil	IEC 60243-1



Hughes Electronics Ltd
Unit G, Southwark Business Center,
Ayres Street, London, SE1 1ES, UK
Co. No. 2827242 VAT No. 653 5771 17

Tel: (44) 020 7378 1400
Fax: (44) 020 7378 1434
email: sales@hugheselectronics.co.uk
web: www.hugheselectronics.co.uk



Making Good Ideas Happen



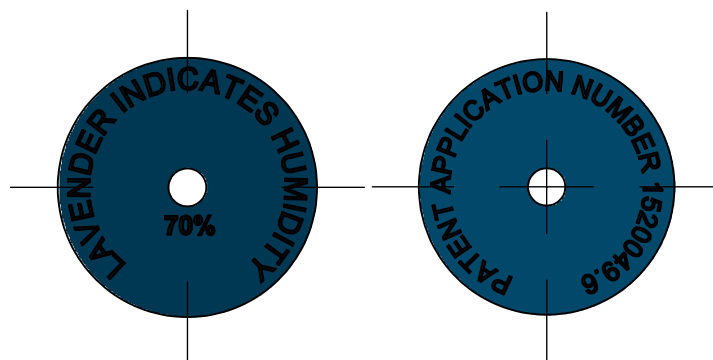
Product Specification

Anti-PIM Dust Cap

For 4.3-10 Male Connectors

07-94012132

Humidity Indicator Specification



Material	Blotting Paper containing CoCl ₂	
Ideal Working Temperature	23°C / 73°F	
Humidity Indicated at	70%	
Concentration Levels	Code	Concentration
Blotting Paper	MIL-D-8835	>99.85%
Cobalt Chloride	7646-79-9	<0.15%

Note: Material Safety Data Sheet available upon request

When reading the indicator, the blue colour means that the relative humidity is lower than 70%, the level in which the indicator is designed to detect. The following colours indicate differing levels of relative humidity:



Pink if the relative humidity is **higher than 70%**

Lavender if the relative humidity is **at 70%**

Blue if the relative humidity is **below 70%**

Indicator spots will change within 8 hours of being exposed to a change in relative humidity. The humidity spots are reversible, and the pink spots will change back to blue by placing the indicator spots within a sealed container with 33g of desiccant for 4 hours.



Hughes Electronics Ltd
Unit G, Southwark Business Center,
Ayres Street, London, SE1 1ES, UK
Co. No. 2827242 VAT No. 653 5771 17

Tel: (44) 020 7378 1400
Fax: (44) 020 7378 1434
email: sales@hugheselectronics.co.uk
web: www.hugheselectronics.co.uk



Making Good Ideas Happen