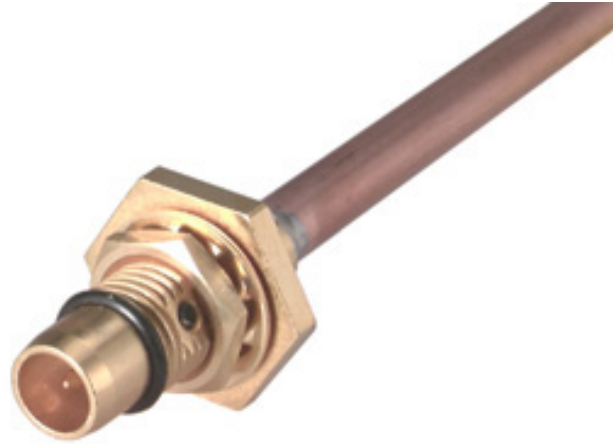


COAXIAL CONNECTOR, BMA, 50 Ohm, Straight bulkhead cable plug (male)

14_BMA-50-3-2/111_N

Properties

- Offers a range of floating configurations
- High reliability and ease of assembly
- Intermatable with the OSP connectors series
- Applicable in frequencies up to 18 GHz



Product configuration		
Interface type	Gender	Standard
BMA	plug	IEC 60169-33_MIL-STD-348A/321

Interface and material data		
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Outer conductor	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Body	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Insulator	PFA / PTFE	
Gasket	NR (Natural Rubber)	
Fastening nut	Brass	Gold Plating
Washer	Bronze	Gold Plating

Electrical data	
Impedance	50 Ω
Interface frequency	18 GHz

Electrical Data (frequency related)		
Frequency range	Return loss	VSWR
0 GHz ... 6 GHz	28 dB	1.08
6 GHz ... 10 GHz	22 dB	1.17
10 GHz ... 18 GHz	18 dB	1.29

Mechanical data	
Weight	0.0037 kg
Mating cycles	1000
Cable entry centre contact	plugged

COAXIAL CONNECTOR, BMA, 50 Ohm, Straight bulkhead cable plug (male)

14_BMA-50-3-2/111_N

Mechanical data	
Cable entry outer contact	soldered

Engagement / Disengagement force		
	Engagement	Disengagement
Interface force min		2 N
Interface force max	14 N	

Environmental data	
Operation temperature	-65 °C ... 125 °C

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22645601	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
84014885	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Ordering Information Table		
Item number	Item description	Packaging type
22645601	14_BMA-50-3-2/111_NE	Single
84014885	14_BMA-50-3-2/111_NH	Bulk 100 pcs

Suitable cables	
Cable group	Y5 - 3 mm / 50 Ohm
	Y17 - 3 mm / 50 Ohm
	Y12 - 3 mm / 50 Ohm

Additional Information	
Only as assembly	No

Suitable tools		
Item number	Item description	Type of tool
22544715	74_Z-0-0-68	Knives / Blades
22544559	74_Z-0-0-60	Support
22544557	74_Z-0-0-58	Assembly tool
22645586	74_Z-0-0-210	Locator
22645585	74_Z-0-0-209	Locator
22643028	74_Z-0-0-164	Trimming tool
22643029	74_Z-0-0-157	Cable stripping tool

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P3194 / Date of publication: 12.07.2025 / uncontrolled copy