

SUMMARY



Image is for illustrative purpose only

Wires

Low	0
High	0
Coax	0
Triax	1
Quad	0
Fiber	0
Fluidic	0

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Series	1S
Termination type	Female solder
IP rating	50
Cable Ø	1.20 - 8.70 mm
Status	active
Alternative part	
Matching parts	FFA.1S.650.CLAC47

TECHNICAL DETAILS

Mechanics

Shell Style/Model	ERN*: Fixed receptacle, nut fixing, with grounding tab
Keying	Circular, female
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Variant	
Weight	8.73 g

Performance

Configuration	1S.650 : 1 Triax (50 Ohm)
Insulator	T: PTFE
Rated Current	6 Amps

Specifications

Contact Type:	Triaxial 50 Ohm (Solder)
Contact Dia.:	0.9 mm (0.034in)
Vtest:	1200 V (AC), 1700 V (DC)
Impedance:	50 Ohm

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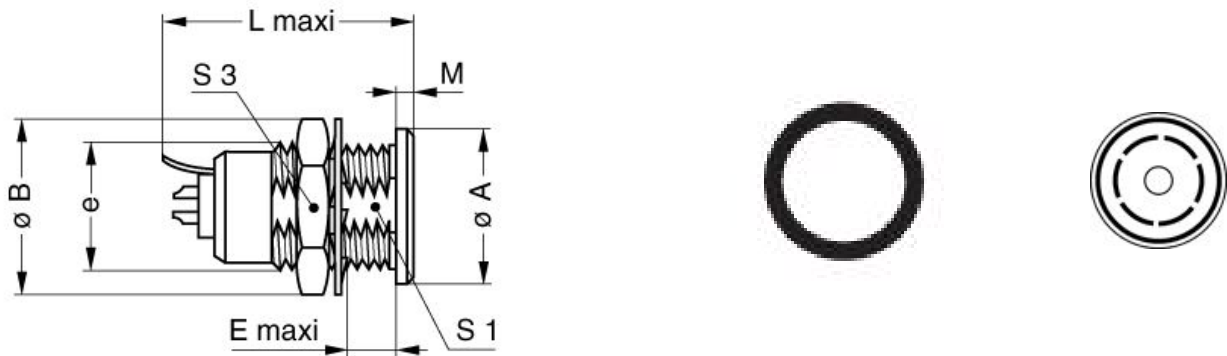
VSWR: $1.01 + 0.17 * f/\text{GHz}$
 Cable type: RGT 178, RGT 174, Belden 9222

Others

Endurance (Shell): 5000 mating cycles
 Temp (min / max): $-55^{\circ}\text{C} / +250^{\circ}\text{C}$
 Humidity (max): $\leq 95\%$ [at $60^{\circ}\text{C} / 140^{\circ}\text{F}$]
 Vibration: 15 g [10 Hz - 2000 Hz]
 Shock Resistance: 100 g [6 ms]
 Climatical Category: 50/175/21
 Shielding (min): 75 dB (10 MHz)
 Shielding (min): 40 dB (1 GHz)
 Salt Spray Corrosion: >1000 hr
 IP Rating: 50

DRAWINGS

Draws



Dimensions

	A	B	E	L	M	S1	S3	e
mm.	14	16	7.5	22.4	1.5	10.5	14	M12x1.0
in.	0.55	0.63	0.30	0.88	0.06	0.41	0.55	

RECOMMENDED BY LEMO

Tools

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None

Cables

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