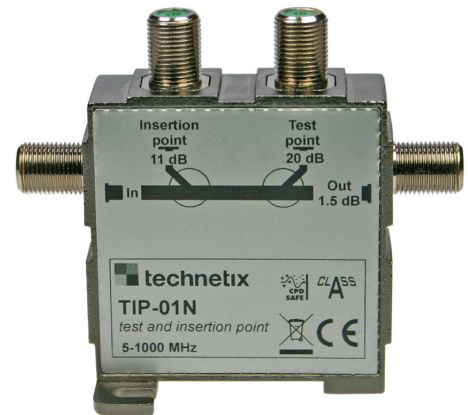


Testpoint

TIP-01N

Features:

- Test- and Insertion point of respectively 11dB and 20dB
- Low insertion loss
- CPD safe design with NiSn plating on housing, connectors and F-spring
- Press-in connectors made of brass
- F-inner spring of beryllium copper for powerfull resilience



Description

The TIP-01N offers the possibility to enter (test)signals onto the cable network and the function to monitor these signals at the -20 dB test point. The housing of the TIP-01N is made of zinc die-cast finished with a NiSn (nickel-tin) plating and have specially designed F-connectors. These so-called press-in F-connectors fit perfectly in their housings by means of a special construction ensuring that torque-and cantilever forces are exceeding the standards by far. The connectors are made of brass covered with a NiSn plating giving optimum anti-corrosion resistance.

Conventional connectors made of zinc can suffer from cold flow resulting in loose connectors, laboratory- and field-tests with brass connectors show that this cold flow effect is almost reduced to zero using the much harder brass material. The F-inner spring of the TIP-01N is made of the best material there is: beryllium copper ensuring a powerful resilience, however the TIP-01N has an increased material thickness in order to provide an outstanding resilience/ contact pressure over a wide range of test gauges (0.56-1.30 mm).

Specifications

V1 okt 13, 2009

	Port	Range	Min	Typical	Max	Units	Remark
Frequency Range			5		1000	MHz	
Housing	Material Plating			Zinc die cast NiSn			
Connectors	F-universal press in Torque/cantilever Test gauge acceptance Material F-body Plating F-body Material F-spring Plating F-spring		6,0	F-female 0,56-1,3		Nm mm	
Impedance				Brass NiSn			
Dimensions	Outline	L x H x D		Beryllium copper NiSn		Ohm mm	
Temperature Range			-15	75		°C	
Equipment Approval				CE			

Ordering Information

TIP-01N	Testpoint	Article number:	10060355
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	Port	Range	Min	Typical	Max	Units	Remark
Insertion Loss	In -> Out	5 MHz < F < 862 MHz	0,8	1,3	1,8	dB	
		862 MHz < F < 1000 MHz	1,0	1,5	2,0	dB	
	In -> Test Point	5 MHz < F < 862 MHz	19,5	20,0	20,5	dB	3
		862 MHz < F < 1000 MHz	19,5	20,0	20,5	dB	3
	Out -> Insertion Point	5 MHz < F < 862 MHz	10,5	11	11,5	dB	
Return Loss	All ports	862 MHz < F < 1000 MHz	11,0	11,5	12,0	dB	
		5 MHz < F < 10 MHz	18			dB	
		10 MHz < F < 862 MHz	22			dB	1
Isolation	In -> Insertion Point	862 MHz < F < 1000 MHz	14			dB	
		5 MHz < F < 1000 MHz	22			dB	
Screening Effectiveness	Out -> Test Point		22			dB	
		5 MHz < F < 300 MHz	85	95		dB	2
		300 MHz < F < 470 MHz	80	90		dB	2
		470 MHz < F < 1000 MHz	75	85		dB	2

Remarks	
1	F > 40 MHz -1.5 dB/oct
2	Transfer Impedance Method according IEC 60728-2(5-30 MHz) Absorbion clamp method according IEC-60728-2 § 4.4 (30-1000 MHz)
3	Additional deviation of 0.5dB up to 55°C