
Overview

The TXJTP12-2000 is a 1.2 GHz -20 dB test probe to easily access 5/8" ports in outdoor applications such as access amplifiers and outdoor splitters and taps. With this tool you can test the levels of both upstream and downstream without disconnecting the cables from the installed unit.



Typical application

This test / injection probe operates from 5 to 1218 MHz and shows high measurement accuracy. The test probe's output, fitted with an F-female connector, is 20 dB below the main level and the frequency response remains exemplary.

This probe is dedicated to applications with a 5/8" entry port. The probe connects directly into the boss of the die cast housing and allows level measurements of the downstream or upstream signals without the need of disconnecting the input or output cable from the passive. The great advantage of not needing to disconnect the network, gives the

subscribers an uninterrupted service on both the downstream and upstream TV signals and services.

The test probe can also be used as an injector while testing and aligning the return path, without the need to use the amplifier's test points.

TXJTP12-2000 device and performance specifications

RF and electrical

Parameter		TXJTP12-2000			Units	Notes
		Min	Typ	Max		
Frequency range	5-1218 MHz					
Test port			20		dB	
Return loss				18	dB	2
Insertion loss (introduced in line)	5-1218 MHz		1	1.5	dB	
Test point accuracy	10-1218 MHz		±1		dB	
AC protected	90 VAC					

Mechanical and environmental specifications

Parameter		TXJTP12-2000			Units	Notes
		Min	Typ	Max		
EMC	5-300 MHz	75	85		dB	1
	300-470 MHz	75	80		dB	1
	470-1218 MHz	65	75		dB	1
Connectors	Input connector	Dielectric insertion				
	Output connector	F-female				
	Test probe thread	5/8-24				
Temperature	Operational	-10°C to +45°C (+14°F to +113°F)			°C/°F	
	Storage	-20°C to +85°C (-4°F to +185°F)			°C/°F	
Marking		CE / RoSH compliant				

Notes

- According IEC 60728-2 § 4.4. (30-1000 MHz) IEC 60728-2 (5-30 MHz). Unit is RoSH compliant Class A
At F = 40 MHz F > 40 MHz -1.5 dB/octave
- All mentioned specifications are preliminary and based on the first design. Final specifications will be confirmed after the first production run. Specifications can change during the design based on best practice

Other products used with this product are:

Legacy code

DBC-1200	OTRX-series
DBD-1200	OTRWX-series
DBE-1200	OTRXU-series
OSVCX-series	OTRXWU-series
OTVCX-series	OTSXU-series
OTMXU-series	OTSXWU-series

Order information

Item code	Legacy code	Description
19008862	TXJTP12-2000	Test probe for 5/8" entry port 1.2 GHz