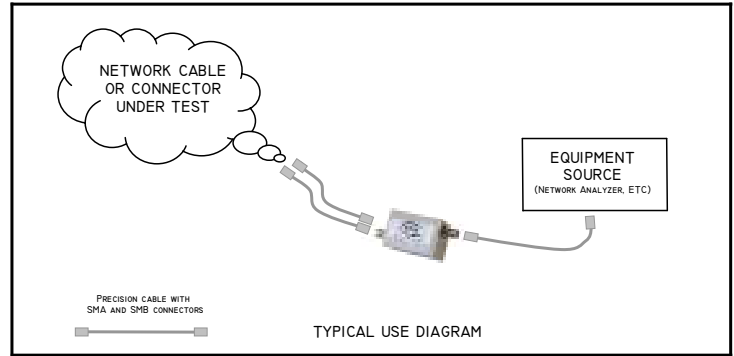


PI100 Series

Precision Instrumentation Balun



Features/Advantages	Description	Applications
<ul style="list-style-type: none"> • 50 ohm SMA input • 100 ohm output as two 50 ohm SMA or SMB • Shielded metal enclosure • Made in USA • 100% tested 	<p>The ETS PI100 Series is a 3.0 GHz instrumentation balun for testing the performance of cables or connectors designed to TIA, IEC, and related testing organization specifications. The PI100 has a useful bandwidth of four decades, from 300 KHz to 3.0 GHz . No other instrumentation balun offers a range as wide or as high.</p> <p>The ETS Precision Instrument Balun is useful for a variety of tests, including insertion loss, return loss, near-end and far-end crosstalk, balance, and CMRR.</p> <p>Transmission line techniques are employed to achieve bandwidths more than twice that achievable with transformer techniques, and five transmission lines are built into each balun. The unique design for the Precision Instrument Balun has been issued US Patent # 7,443,263 B2 (10/08)</p> <p>Input is unbalanced 50-ohm SMA connector. Output is two unbalanced 50-ohm SMA or SMB connectors configured as a balanced 100-ohm circuit.</p>	<ul style="list-style-type: none"> • Designed for use in testing network cables, connectors, and wiring systems at frequencies up to 3.0 GHz. • Transmission testing of connecting hardware for: <ul style="list-style-type: none"> • TIA 568 B2 • IEC 1130 • IEC 1181

Specifications		Product Ordering Information	
Bandwidth Connectors	300 KHz to 3.0 GHz Female-SMA connector to (2) female-SMA or male-SMB connectors	PI101	Precision instrumentation balun, Female-SMA connector to (2) Male-SMB connectors
Impedance Insertion Loss Return Loss Common Mode Rejection Dimensions Net Weight	50 ohm 4 dB per pair 30 dB min. 60 dB to 200MHz 30 dB @ 3 GHZ 57mm x 26mm x 26mm 0.045 Kg	PI102	Precision instrumentation balun, Female-SMA connector to (2) Female-SMA connectors

© Copyright 2005 – 2016 Energy Transformation Systems, Inc. FatCat5 System panels and information outlets protected under US Patent Number 6,123,577. FatCat5™, FatCat5 System™, Chameleon Color Coding System™, Balanced Star™, Balanced Line™, Monoline™ and Precision Wave™, InstaSnake™, CineSnake™ are trademarks of Energy Transformation Systems. All other brand or product names are or may be trademarks of, and are used to identify the products or services of their respective owners. 5/25/2016



Energy Transformation Systems, Inc.
 43353 B Osgood Rd., Fremont, CA 94539
 www.etslan.com
 800-752-8208 510-656-2012 Fax 510-656-2026

