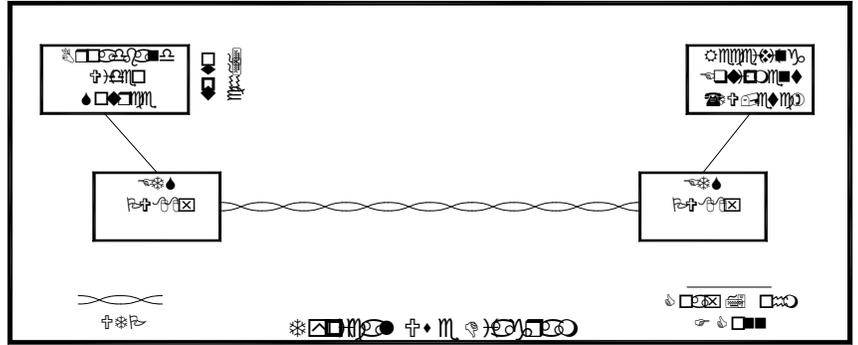


PV880 Series

Broadband Video Baluns



Features/Advantages	Description	Applications
<ul style="list-style-type: none"> • Transports broadband video signals over structured wiring (UTP)* • Up to 77 channels (550 MHz) on CATV spectrum • Low-cost solution for moves, add-ons and changes by reducing costs of cable and re-wiring labor • Sturdy, compact plastic case • Made in USA • 100% tested 	<p>Broadband video (CATV) over UTP, once thought to be impractical (or impossible), is now commonplace, due to the use of the PV880 Series of Broadband Video Baluns from ETS. Commercial and professional grade video can be transmitted over Category 5 and better UTP.</p> <p>Distance is a function of frequency and signal level. Using Category 5 or better cable, all channels up to 26, at a drive level of not more than 36dBmV will accommodate 100 meters. The usable distance is reduced at higher channels, reaching 50 meters at channel 78.</p> <p>APPLICATION NOTE: Off-air channel 26 is 542MHz to 548 MHz. CATV enables packing channels into unused on-air frequencies.</p>	<ul style="list-style-type: none"> • Media Retrieval Systems • Schools • Churches • Production Monitoring • Security and Surveillance • Displays • "Smart" Houses • Teleconferencing • Cable TV Distribution

*NOTE: Category 5 or better cable recommended. Other cabling may result in non-compliance with FCC rules and regulations.

Specifications		Product Ordering Information						
Bandwidth	50 MHz to 550 MHz	PV880	Broadband Video, male F on 6" pigtail to RJ45, pins 1 & 2					
Connectors	F connector (m or f) to RJ45	PV882	Broadband Video, female F to RJ45 pins 4, 5					
Impedance	75Ω unbalanced to 100Ω balanced	PV883	Broadband Video, male F on 6" pigtail to RJ45 pins 4, 5					
Insertion Loss	3 dB	PV882-FG	F connector gender adapter, male to male					
Return Loss	16 dB	Cable Type v. Channel = (Approximate) Distance Chart Channel ->						
Common Mode	>40 dB		2	26	77	120	Signal Max	
Rejection			CAT5	170m	80m	50m	N/A	36dBmV
Distance	164 ft up to 77 channels		CAT5e	195m	95m	60m	N/A	41dBmV
Media	Category 5e or better UTP recommended		Level 7	230m	110m	60m	N/A	46dBmV
Dimensions	46mm x 25mm x 19mm (+ pigtail on PV883)		(or equivalent)					
Net Weight	0.02 kg							

© Copyright 2001-2014 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.

Revised 1/30/14
Revised 10/13/2011



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

