PV884, PV885, PV888, PV889   *ULTRA* Broadband Video Baluns

Typical Use Diagram

BROADBAND (OR CATV) FS SOURCE — UP TO CH 121 — ETS PV884 OR PV885 — UTP — ETS PV884 OR PV885 — RECEIVING EQUIPMENT (TV, ETC) — COAX 75 OHM F CONN OR BNC
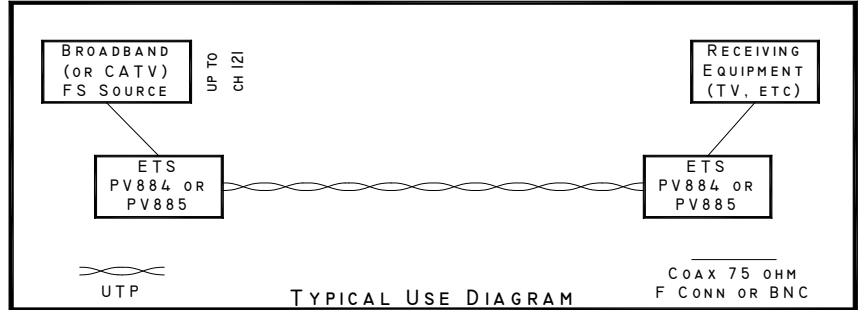
Features/Advantages	Description	Applications
• Transport **ALL** CATV spectrum video signals over UTP* • Up to 120+ channels (850 MHz) in CATV spectrum • Low-cost solution for moves, add-ons and changes by reducing cost of cable and associated labor • Shielded metal enclosure • Made in USA • 100% tested	Expanding the applications opened by its Broadband Video Baluns, ETS introduces the PV884 and PV885 – *ULTRA* **Broadband Video Baluns**. Frequency range has been increased and EMI reduced, both due to enhanced filtering and an all-metal enclosure. FCC requirements preclude boosting signal levels to the values required to guarantee preset distances. Distance achievable is a function of signal level, balance and the degree to which the cable used unbalances the signal. Cat5e maintains signal balance at least 5 dB better than Cat5. Level 7 or equivalent cable is another 5 dB better, providing for a signal drive level of not more than 46 dBmV. The PV884 offers a BNC connector for use with professional grade equipment. "Prosumer" and consumer electronics that connect using 'F' connectors require the ETS PV885 or PV888 baluns.	• Cable TV Distribution • Media Retrieval Systems • Schools • Churches • Production Monitoring • Security and Surveillance • Displays • "Smart" Houses • Teleconferencing

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

Specifications

Bandwidth	20 MHz to 850 MHz CATV to 120+, off air channels 2 to 75
Connectors	BNC or F connector to RJ45
Impedance	75Ω unbalanced to 100Ω balanced
Insertion Loss	3 dB up to 350 MHz; 5 dB up to 850 MHz
Return Loss	16 dB
Distance	130 ft up to 120 channels
Common Mode Rejection	>40 dB
Media	Category 5e or better UTP
Dimensions	25mm x 25mm x 70mm
Net Weight	0.07 kg

Product Ordering Information

PV884	Ultra Broadband, female BNC to RJ45 pins 4, 5
PV885	Ultra Broadband, female 'F' to RJ45 pins 4, 5
PV888	Ultra Broadband, male 'F' on 6" pigtail to RJ45: 4, 5
PV889	Ultra Broadband, male 'F' on 6" pigtail to RJ45: 1, 2
PFA	F connector gender adapter, male to male

'Rough' Cable Type v. Channel = Distance Chart

chan. →	2	26	77	120	Signal Max
CAT5	180m	85m	50m	40m	36dBmV
CAT5e	215m	100m	60m	50m	41dBmV
Level 7	280m	120m	70m	55m	46dBmV
(or equivalent)					

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