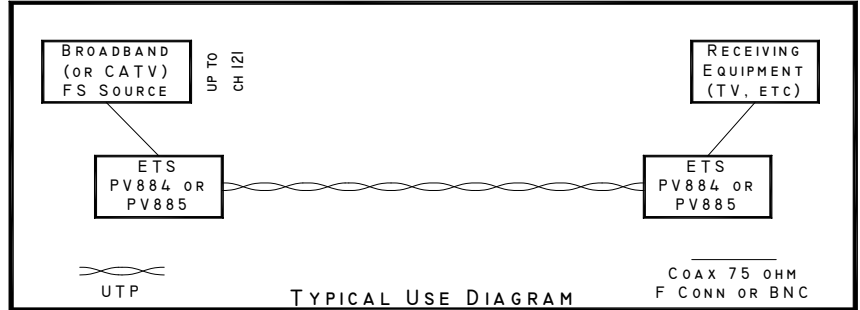


# PV884, PV885, PV888, PV889

# ULTRA Broadband Video Baluns



Features/Advantages	Description	Applications
<ul style="list-style-type: none"> <li>Transport <b>ALL</b> CATV spectrum video signals over UTP*</li> <li>Up to 120+ channels (850 MHz) in CATV spectrum</li> <li>Low-cost solution for moves, add-ons and changes by reducing cost of cable and associated labor</li> <li>Shielded metal enclosure</li> <li>Made in USA</li> <li>100% tested</li> </ul>	<p>Expanding the applications opened by its Broadband Video Baluns, ETS introduces the PV884 and PV885 – <b>ULTRA Broadband Video Baluns</b>. Frequency range has been increased and EMI reduced, both due to enhanced filtering and an all-metal enclosure.</p> <p>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.</p> <p>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.</p>	<ul style="list-style-type: none"> <li>Cable TV Distribution</li> <li>Media Retrieval Systems</li> <li>Schools</li> <li>Churches</li> <li>Production Monitoring</li> <li>Security and Surveillance</li> <li>Displays</li> <li>“Smart” Houses</li> <li>Teleconferencing</li> </ul>

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

Specifications		Product Ordering Information	
Bandwidth	20 MHz to 850 MHz CATV to 120+, off air channels 2 to 75	PV884	Ultra Broadband, female BNC to RJ45 pins 4, 5
Connectors	BNC or F connector to RJ45	PV885	Ultra Broadband, female ‘F’ to RJ45 pins 4, 5
Impedance	75Ω unbalanced to 100Ω balanced	PV888	Ultra Broadband, male ‘F’ on 6” pigtail to RJ45: 4, 5
Insertion Loss	3 dB up to 350 MHz; 5 dB up to 850 MHz	PV889	Ultra Broadband, male ‘F’ on 6” pigtail to RJ45: 1, 2
Return Loss	16 dB	PFA	F connector gender adapter, male to male
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		

‘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 (or equivalent)	280m	120m	70m	55m	46dBmV

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