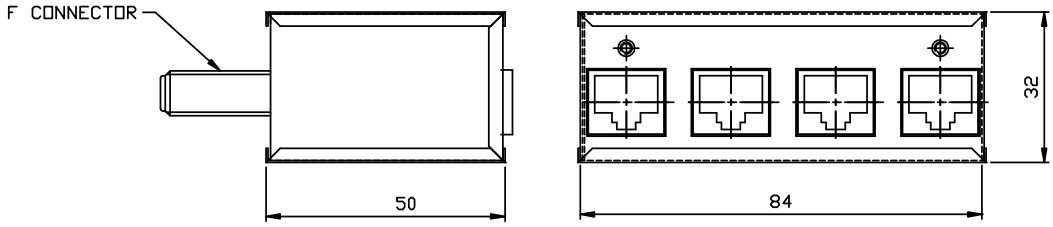
BROADBAND VIDEO DISTRIBUTION SYSTEM - BVD

Passive 4 Way Splitter

VDS011



SYSTEM DESCRIPTION

BVD is a Broadband Video Distribution system designed and manufactured by AC&E in Australia. It is a truly flexible network. Using BVD any data outlet supplied by Cat5, Cat5e, Cat6 or Cat7 cable can also be a video outlet.

Incorporating high quality RF distribution techniques including our proven balun designs, AC&E have made distribution of broadband signals through UTP or STP cables possible. Removing the requirement to install coaxial cable to dedicated outlets in new installations and enabling distribution through existing data networks.

As part of the BVD range, our VDS011 Passive 4 Way Splitter functions as both an interface and splitter between unbalanced 75Ω and balanced 100Ω systems.

SYSTEM FEATURES and ADVANTAGES

- Eliminates need for coaxial cable to dedicated outlets in new installations
- Enables video over data cable in existing installations where coaxial systems do not reach or are not installed
- Supports return path signaling
- Shielded metal enclosure
- Optionally can be mounted into a 10” 1RU or 19” 1RU panel

SYSTEM APPLICATIONS

The BVD system can be used in any Broadband Video application. Some examples being:

- Shops
- Office buildings
- Kinder gardens
- Teleconferencing
- Schools
- “Smart” House
- Hotels
- Security and Surveillance
- Hospitals
- Banks
- Production Monitoring

VDS011 SPECIFICATIONS

Input:	75 Ω unbalanced F-Type coaxial IEC169-24 Compliant	
Output:	Four, 100Ω balanced Shielded RJ45 twisted pairs	
Frequency range:	5 ~ 862MHz	
Return Loss:	5 ~ 862MHz	12dB (typ.), 9dB (min.)
Insertion Loss:	5 ~ 230MHz	< 7dB (typ.) 8dB (max.)
	230 ~ 862MHz	< 10dB (typ.) 15.5dB (max)
EMC:	EN50082-2 Level A *	
Transmission Media:	Category 5, or higher rating and coaxial input	
Dimensions & Weight	50mm(L)×84mm(W)×32mm(H); 85g	
Temperature Range	-10 °C to +50 °C	

* To be verified

VDS011 MATERIALS

Coax Connector Outer Contact:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni1.25
Coax Connector Body:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni5b
Coax Connector Insulator:	PP
Coax Connector Inner Contact:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni1.25
RJ45 Moulding:	PBT Glass Filled, Black
RJ45 Contacts:	Phosphor Bronze. Finish Ni/Au
RJ45 Shield:	Bronze, Finish Ni

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