



UQOMM

Quality Underground Communications

VBU1

VHF SINGLE BRANCH UNIT

DESCRIPTION

- The VBU1 is a passive device used to split the Leaky Feeder cable in two branches. Designed to work with reliability in harsh conditions like underground mines. IP66 protection and IK10 against external mechanical shocks.
- VBU1 splitter has been designed to provide balanced RF outputs, high port isolation, and minimal RF losses.
- VBU1 splitter also carries the DC voltage that powers Leaky Feeder Amplifiers.
- Like other UQOMM Leaky Feeder devices, the VBU1 uses bronze terminals. No special tool or training required, perfect for assembly in time and operational critical workplaces like underground mines.
- VBU1 is equipped with DIP switch selectors on each branch port which allows the maintenance team to:

Position 1 ON: DC OUT - OFF: No DC

Position 2: Not Used

Position 3: ON: 75 Ohms - OFF: RF Out

SHORT DESC.

- VBU1 splits the Leaky Feeder cable in two Branches with balanced RF and minimal losses.
- High Port isolation to avoid intermodulation products.
- RF and DC DIP switch selector to pass, block or terminate.

SPECS

■ Frequencies:	20 - 750 MHz
■ Impedance:	75 Ohms
■ Port Isolation:	20 dB Min.
■ Insertion Losses:	4.5 dB Max.
■ VSWR:	1.2:1 (148 - 175 MHz)
■ Max. Current:	3 Amp Max.
■ Power Requirement:	No
■ Cable Connector:	Bronze terminals
■ Environmental protection:	IP66, metallic cable glands.
■ Weight:	1,0 Kg
■ Size:	160 (w) x 60 (d) x 75 (h) mm3



The Exporter
15 Nobel Street, The Interchange,
Somerset West, South Africa

www.radioexport.com
radio@theexporter.co.za
021 851 1700