

# VBU2

## VHF DOUBLE BRANCH UNIT

### DESCRIPTION

- The VBU2 is a passive device used to split the Leaky Feeder cable in three branches (Main Tunnel and two Branches). Designed to work with reliability in harsh conditions like underground mines. IP66 protection and IK10 against external mechanical shocks.
- VBU2 splitter has been designed to provide balanced RF in the three outputs, high port isolation, and minimal RF losses.
- VBU2 splitter also carries the DC voltage that powers Leaky Feeder Amplifiers.
- Like other UQOMM Leaky Feeder devices, the VBU2 uses bronze terminals. No special tool or training required, perfect for assembly in time and operational critical workplaces like underground mines.
- VBU2 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.

- VBU2 splits the Leaky Feeder cable in three Branches with balanced RF and minimal losses.
- High Port isolation to avoid intermodulation products.
- RF and DC switch selector to pass, block or terminate.
- Equally insertion losses for all ports (equiloss)

### SPECS

■ <b>Frequencies:</b>	20 - 750 MHz
■ <b>Impedance:</b>	75 Ohms
■ <b>Port Isolation:</b>	20 dB Min.
■ <b>Insertion Losses:</b>	6.0 dB Max.
■ <b>VSWR:</b>	1.2:1 (148 - 175 MHz)
■ <b>Max. Current:</b>	3 Amp Max.
■ <b>Power Requirement:</b>	No
■ <b>Cable Connector:</b>	Bronze terminals
■ <b>Environmental protection:</b>	IP66, metallic cable glands.
■ <b>Weight:</b>	1,0 Kg
■ <b>Size:</b>	160 (w) x 60 (d) x 75 (h) mm <sup>3</sup>

