

## Datasheet

### V40-114 Double Sideband Analogue Modulator Mains Powered

- Double Sideband Modulator for MATV systems
- Simple channel setup with LED channel display
- Micro-processor controlled with non-volatile memory
- Multi-standard PAL G, H, I, ,L K, M, N/Au
- Loop-thru' RF connection to combine with other channels
- PLL crystal stabilised
- Test pattern generator built-in
- Fully-screened with F-connectors



Model	V40-114
Video Input Frequency	20Hz to 6MHz
Video Input Level / Impedance	1V peak to peak ± 0.1V 75Ω
Audio Input Frequency	20Hz to 15kHz
Audio Input Level Adjustment	+1 to 7dB
Audio Level / Impedance / Deviation**	775mV RMS/10kΩ/50Hz
Audio Frequency Response Pre-Correction	50μs
RF Output Level	90dBμV into 75Ω (70-90dBμV)
RF Level Adjustment	0 to -20dB
RF Output Channels **	21 to 69 G, H, I, ,L K, M, N/Au (470 to 862MHz)
Carrier Accuracy	± 50kHz
Sound Sub-carrier Frequency**	4.5MHz, 5.5MHz, 6.0MHz, 6.5MHz
Fine tuning / Channel Offset Range**	±2.25MHz max. In 0.25MHz steps
Frequency Range of RF Loop Through / Insertion Loss	5 to 862MHz / 1.5dB
A/V Ratio**	12 or 16dB
Mains Voltage	230v ± 10% AC 50Hz 3.5W UK Mains Plug Fitted 3A Fuse
Operating Temperature Range	-10°C to +50°C
Dimensions / Packed Weight	133 x 63 x 39 0.36kg
** Microprocessor Controlled / Programmable	This product is RoHS compliant