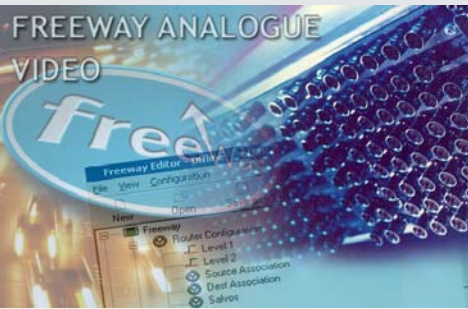




FREEWAY

Analogue Video

Makes light work of any analogue application.



Any demanding analogue television application will benefit from the inherent wide bandwidth and high slew-rate characteristics offered by this router. The circuitry provides complete transparency to all vertical interval encoded data and is fully compatible with sound in sync signals.

FEATURES

- 30 MHz bandwidth
- Dual standard vertical interval switching
- DC coupled or DC restored operation
- Composite and YUV/RGB(S) configurations

Technical Specification

Inputs

Amplitude	1Vpp
Impedance	75Ω
Return Loss	Better than 40dB to 3.58MHz and 4.43MHz
Superimposed DC	±1V max
Coupling	DC or sync tip restored

Outputs

Impedance	75Ω
Return Loss	Better than 40dB to 3.58MHz and 4.43MHz
DC Offset	Less than 50mV

Performance

Gain	0dB to ±0.1dB
Frequency Response	±0.1dB to 8MHz, +2/-3dB to 30MHz
Crosstalk	-63dB (single adjacent) -60dB (all hostile) @ 4.43MHz
Output equalisation	Selectable cable eq. on outputs
2T Pulse/Bar	<0.2%K
Chrom/Lum Gain	<±0.5%
Chrom/Lum delay	<±2ns
Group Delay Var	<5ns 50Hz to 15MHz
Differential Phase	<0.15° @ 4.45MHz
Differential Gain	<0.15% @ 4.43MHz
Signal to Noise	Better than 60dB (wideband)
Delay Variation	<±0.6ns between any inputs to one output
Switching Transients	<±30mV
Black Level Steps	<±50mV between inputs with same input coupling mode

Specifications subject to change

16 channel input cards	Freeway 32	Freeway 64	Freeway 128
X	X	X	X*

* Using Freeway Splitters and Combiners

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