

Capability list

COILS/INDUCTORS

Range	Q	Tolerance	Current
10nH	up	down	up
to	to	to	to
1mH	500	0.1%	10A

DELAY LINES PULSE AND VIDEO

Delay Range	Bandwidth	Type
1nS	100KHz	Fixed
to	to	Programmable
10uS	300MHz	Switchable

CABLE EQUALISERS

Frequency Range	Cable Types	Cable Length
100KHz	8281	up
to	RG59	to
2GHz	LMR200	300+Mtr
	etc.	

CABLE SIMULATORS

Frequency Range	Length	Cable Type
0	0	8281
to	to	RG59
1.5Gbit/s	510Mtr	1694A
		1505A
		etc.

VIDEO SIGNAL PROCESSING

A/D	D/A	Digital	Analogue
YUV to D1	D1 to YUV	D1 to 601(TTL)	YUV to RGB
YUV to 601(TTL)	D1 to Y/C	601(TTL) to D1	Video DA's
CVBS to D1	601(TTL)		
CVBS to 601(TTL)	to YUV/RGB		
Parallel	PI, PO range including multimode fibre to SDI		
Bespoke designing			

FILTERS

Applications	Type	Freq.Range	Topology	Shape
Video Antialiasing	Lowpass	100KHz	Minimum inductor	Elliptical
Pulse shaping	Highpass	to	Top C coupled	Butterworth
High Def.	Bandpass	1GHz	Top L coupled	Chebyshev
IF filtering	Bandstop		Shunt coupled	Bessel
Noise reduction			Tubular	Cosine roll-off
Band Limiting			Arithmetically symmetrical	Gaussian
Insertion and Extraction			Ladder Networks	Maximally Flat
			Phase (Group Delay) Equalised	
			Amplitude equalised	

VIDEO FRONT END MODULES

For digitising high quality analogue video

Order code	Application
ADC-100	Composite, Luminance (S-video), digital video decoder
ADC-101	Chrominance, digital video decoder.
ADC-120	Y input (Component Video)
ADC-121	Pb,Pr (Component Video)
Provisional	
ADC-122	Y input (Component Video). Matched digital filter delay

We also offer a design consultancy and manufacture capability.

For details of this and all of the above please contact your Faraday Distributor:

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Faraday Technology Limited are ISO9001 approved.