

SE WORKSTATION FILTERS

PRODUCT SUMMARY LIST

The Faraday *SE* range of workstation modules are designed to provide a convenient interface to monolithic video encoders. The modules contain all the filtering and buffering required to interface a digital video encoder directly to a composite and/or RGB output. The SE filters have high input impedance which significantly reduces the gain variations caused by loading the encoders and can provide an accurate $\sin x/x$ compensation. Single rail operation encoders typically produce an output with a DC voltage offset - the SE modules compensate for this offset bringing the blanking level back to near zero volts.

Type No	Signal	Sampling Frequency	$\sin x/x$	Fc (MHz)	Amplitude Ripple	Delay Ripple	Start of Stopband	Comments	Typical Encoder
SE110-00	N/P/S	27 MHz	Yes	6.0	± 0.5 dB	10 ns	21.0 MHz	M, DIL,	SAA7185/7//8
SE111-00	N/P/S	27 MHz	Yes	6.0	± 0.5 dB	20 ns	21.0 MHz	M, DIL,	SAA7185/7/8
SE120-00	RGBA	27 MHz	Yes	5.5	± 0.2 dB	20 ns	21.0 MHz	M, DIL,	TMC2192/3
SE121-00	RGBA	27 MHz	No	5.5	± 0.2 dB	10 ns	21.0 MHz	M, DIL,	ADV7170/71
SE130-00	N/P/S	27 MHz	Yes	5.75	± 0.2 dB	10 ns	21.5 MHz	Br, DIL,	TMC2490
SE131-00	N/P/S	27 MHz	Yes	5.75	± 0.2 dB	10 ns	21.5 MHz	Br, SIL,	TMC2490

Key

N = NTSC composite	M = Monitor (or single pass) quality
P = Pal composite	Br = Broadcast quality
S = S-Video	DIL = Dual in line package
A = Alpha Key	SIL = Single in line package

Note: The suffix -00 in the type number indicates 0 dB gain . To order a module with 6.0 dB gain the type number suffix would become -60. Individual data sheets are available for these products.

PACKAGE DETAIL
