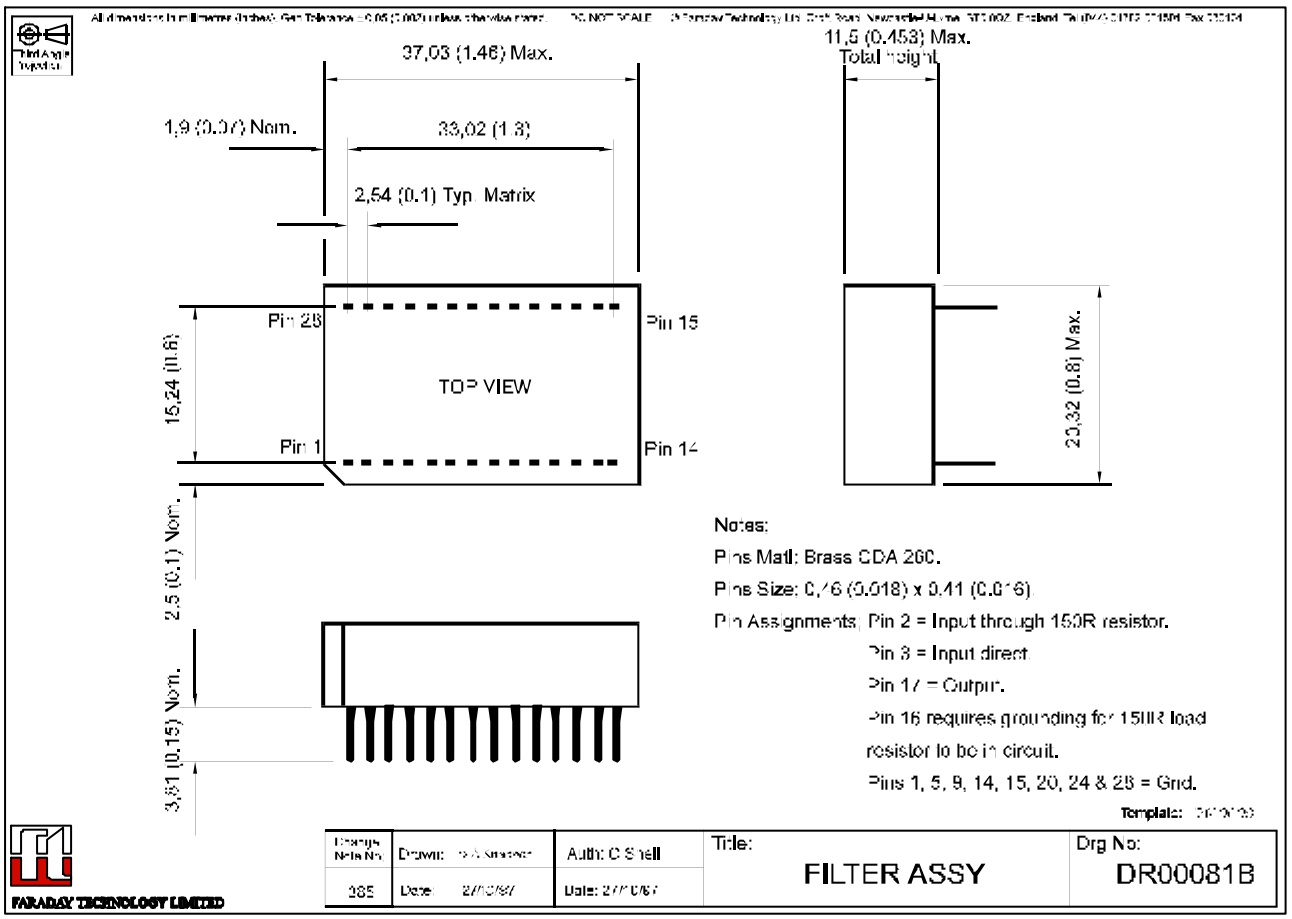
RECONSTRUCTION FILTER

FL390

This tightly specified filter provides close tolerance amplitude and group delay response together with Sinx/x correction over an extended bandwidth for reconstructing video signals to be converted at 30 MHz. High attenuation levels are achieved at ½ S.F. and 4 x f_{sc} (NTSC + PAL) together with good stopband performance making the filter ideal in allowing high quality analogue outputs from a multistandard digital test pattern generator.
The filters are also supplied in matched delay sets to provide close timing of individual component channels.

Filter Shape	Lowpass
Passband Shape	Sinx/x
Sampling Frequency	30 MHz
Insertion Loss at 100 kHz	< 3.5 dB
End Of Passband	9.0 MHz
Passband Amplitude Ripple wrt 100 kHz	< ±0.05 dB to 8.8 MHz
	< ±0.10 dB to 9.0 MHz
Loss wrt 100 kHz	> 20 dB at 13.50 MHz
	> 60 dB at 14.32 MHz
	> 60 dB at 17.72 MHz
	> 46 dB at 21.00 MHz
Stopband Attenuation wrt 100 kHz	> 46 dB
Group Delay Ripple	< 10 ns to 8.5 MHz
Delay Time at 200 kHz	213 ns ± 5 ns
Delay Tolerance of matched set at 200 kHz	< 2 ns
Impedance	150 ohms
Temperature Range	0°C to 70°C
Aqueous Washable	No
Package	DR00081B

PACKAGE DETAIL



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