

# TFM SERIES

## LOW COST MONITOR FILTERS

A series of luma and chroma reduced specification 601 standard filters with a softer cut-off rate to reduce ringing for soft monitor applications.

<i>Type Number</i>	LUMA		CHROMA	
	<b>TFM1350F</b>	<b>TFM1350S</b>	<b>TFM0675F</b>	<b>TFM0675S</b>
<i>Filter Shape</i>	Lowpass	Lowpass	Lowpass	Lowpass
<i>Passband Shape</i>	Flat	Sinx/x	Flat	Sinx/x
<i>Sampling Frequency</i>	--	13.5 MHz	--	6.75 MHz
<i>Insertion Loss at 100 kHz</i>	< 1.6 dB	< 5.2 dB	< 1.25 dB	< 4.5 dB
<i>End Of Passband</i>	5.5 MHz	5.5 MHz	2.2 MHz	2.2 MHz
<i>Passband Amplitude Ripple</i>	< 0.3 dB	< 0.3 dB <sup>1</sup> to 5.4 MHz < 0.4 dB <sup>1</sup> to 5.5 MHz	< 0.3 dB	< 0.3 dB <sup>1</sup>
<i>Loss at half S.F.</i>	8 dB $\pm$ 2 dB	8 dB $\pm$ 2 dB <sup>1</sup>	12 dB $\pm$ 2 dB	12 dB $\pm$ 2 dB <sup>1</sup>
<i>Start Of Stopband</i>	9.0 MHz	9.0 MHz	4.4 MHz	4.4 MHz
<i>Stopband Attenuation</i>	39 dB min <sup>2</sup>	39 dB min <sup>3</sup>	39 dB min <sup>2</sup>	39 dB min <sup>3</sup>
<i>Group Delay Ripple</i>	20 ns max	25 ns max	40 ns max	40 ns max
<i>Group Delay Bandwidth</i>	5.0 MHz	5.0 MHz	2.2 MHz	2.2 MHz
<i>Delay Time at 200 kHz</i>	205 ns $\pm$ 5 ns	198 ns $\pm$ 5 ns	420 ns $\pm$ 10 ns	420 ns $\pm$ 10 ns
<i>Impedance</i>	75 ohms	75 ohms	75 ohms	75 ohms
<i>Temperature Range</i>	0°C to 70°C	0°C to 70°C	0°C to 70°C	0°C to 70°C
<i>Package Type</i>	DR00008B	DR00008B	DR00005A	DR00008B

<sup>1</sup> measured against sinx/x roll-off

<sup>2</sup> measured with respect to 100 kHz

<sup>3</sup> measured with respect to end of passband

# PACKAGE DETAIL

