



FL626

HYBRID LUMINANCE PRE-FILTER

Filter Shape	Lowpass
Passband Shape	Flat
Sampling Frequency	13.5 MHz
Insertion Gain at 100 kHz	0 dB, 6 dB $\pm$ 0.2 dB
End Of Passband	5.5 MHz
Passband Amplitude Ripple	< 0.3 dB
Loss at $\frac{1}{2}$ S.F. wrt 100 kHz	12 dB $\pm$ 3 dB
Start Of Stopband	8 MHz
Stopband Attenuation wrt 100 kHz	> 40 dB to 20 MHz > 35 dB to 200 MHz
Group Delay Ripple	< 15 ns to 5.0 MHz
Delay Time at 200 kHz	300 ns nominal
Return Loss 75 ohm termination	>40 dB
2T Pulse And Bar K - Rating	< 0.5 % typ, 1 % max.
S/N ratio	-75 dB to 5.5 MHz
Differential Phase (swept over $\pm$ 0.5v)	0.15° typ.
Differential Gain	0.1% typ.
Supply Voltage	$\pm$ 5v to $\pm$ 12v
Typical Current	28 mA per rail
Input Impedance	10 M Ω typical
Output Impedance	< 1 Ω typical
Temperature Range	0°C to 40°C
Package	DR00219A

Note – Differential phase and gain improve at higher supply voltages, however this results in increased operating temperature.

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PACKAGE DETAIL

