

MADE-TO-ORDER CRYSTAL FILTERS

SPECIMEN FILTER DESIGN - 1



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Crystal Filter 19.9750MHz

This filter was designed and manufactured for a data transmission application where excellent Group Delay parameters were an essential part of the specification.

General Specification

Centre Frequency:	19.9750MHz
Insertion Loss:	2dB max.
Ripple:	0.5dB max.
0.5dB	±8.5kHz
1.0dB	±12kHz
Differential Delay:	5µs max.
12dB	±25kHz
25dB	±34kHz
30dB	±41.5kHz
45dB	±50kHz
45dB	±58.5kHz
70dB	±70kHz
Ultimate Attenuation:	55dB
Temperature Range:	0° to +55°C
Terminations:	50Ω
Spurious:	40dB min.

Outline and Dimensions

