

Microwave Filter and Thermalizer

Typical room temperature transmission characteristics:

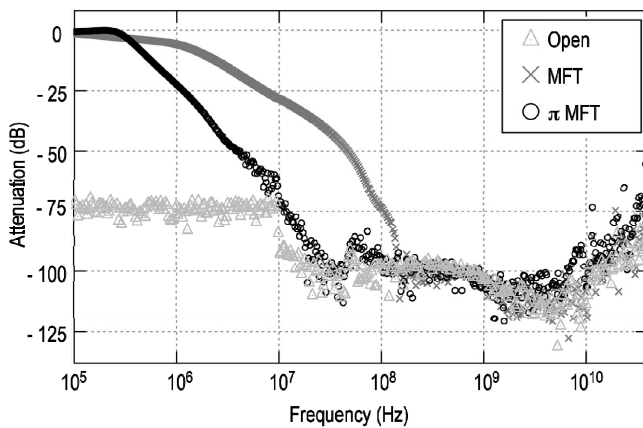
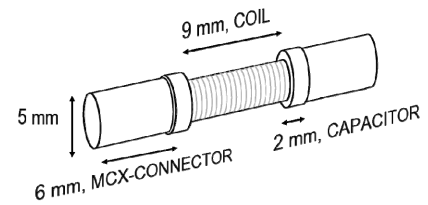
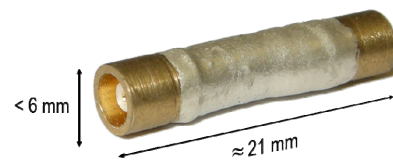


Figure adapted from Appl. Phys. Lett. 104, 211106 (2014)

π MFT schematics and dimensions:

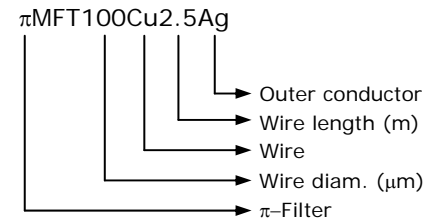


MFT picture:



Technical Data:

	MFT100Cu2.5Ag	π MFT100Cu2.5Ag
DC-Resistance (T=293 K)	$\approx 5 \Omega$	$\approx 5 \Omega$
DC-Resistance (T=4.2 K)	$\approx 5 \text{ m}\Omega$	$\approx 5 \text{ m}\Omega$
Capacitance (T=293 K)	$\approx 4 \text{ nF}$	$\approx 14 \text{ nF}$
Capacitance (T=4.2 K)	$\approx 4 \text{ nF}$	$\approx 14 \text{ nF}$
25 dB Attenuation (T=293 K)	$\approx 8 \text{ MHz}$	$\approx 1 \text{ MHz}$
100 dB Attenuation (T=293 K)	$\approx 150 \text{ MHz}$	$\approx 30 \text{ MHz}$
Connector type	MCX	MCX



Pricing information:

MFT100Cu2.5Ag: 600 EUR

π MFT100Cu2.5Ag: 750 EUR

Discount: 15% for 5 filters, 33% for 10 filters

Customized designs (e.g. specific connector or wire type) are possible at an extra charge.

* Prices are excluding VAT (value-added tax, 8.5% in Switzerland)

* Note: The attenuation spectrum shown indicates approximate values. Small filter to filter variations may occur.

Operation at 4.2K may slightly shift the attenuation profile towards higher frequencies

* Note: Adding a series resistance prior to the MFT may increase the overall attenuation