

Single Filter Models		MFT-100Ω	πMFT-100Ω	MFT-25mΩ	πMFT-25mΩ
		Resistive for optimum thermalization		Ultra-low (mΩ) resistance for high-current applications	
Connector type		SMA, MCX, or customized SMP, etc.			
Dimensions		Length ~ 30 mm, Diameter ~ 6 mm			
Capacitance	300 K / 4.2 K	≲ 2.5 nF	≲ 12 nF	≲ 2.5 nF	≲ 12 nF
Resistance	T = 300 K	≲ 100 Ω		≲ 2.5 Ω	
	T = 4.2 K	≲ 100 Ω		≲ 25 mΩ	
Attenuation	3 dB cutoff	~ 0.5 MHz	~ 0.3 MHz	~ 0.5 MHz	~ 0.3 MHz
	25 dB cutoff	~ 8 MHz	~ 1 MHz	~ 8 MHz	~ 1 MHz
	100 dB cutoff	~ 130 MHz	~ 30 MHz	~ 130 MHz	~ 30 MHz
Maximum applied voltage		100 V			
Maximum applied current	300 K	10 mA		30 mA	
	10 mK	0.2 mA*		10 mA*	
Resistance to ground		> 1 TΩ			

Table shows typical specs; * Maximum current at 10 mK is calculated such that the dissipated power remains below 10 μW.

Filter Box Models	MFT25-100Ω	MFT25-25mΩ
Number of filters per box	25	
Filter type	MFT-100Ω	MFT-25mΩ
Connector type	Micro-D connector	
Dimensions and weight	~ 30 x 56 x 70 mm, 400 gr	

Figure:
 Typical attenuation spectrum of a single MFT-25mΩ filter (red) and a single πMFT-25mΩ filter (blue) measured at room temperature. The πMFT is equipped with an additional pair of 5nF discoidal capacitors.

