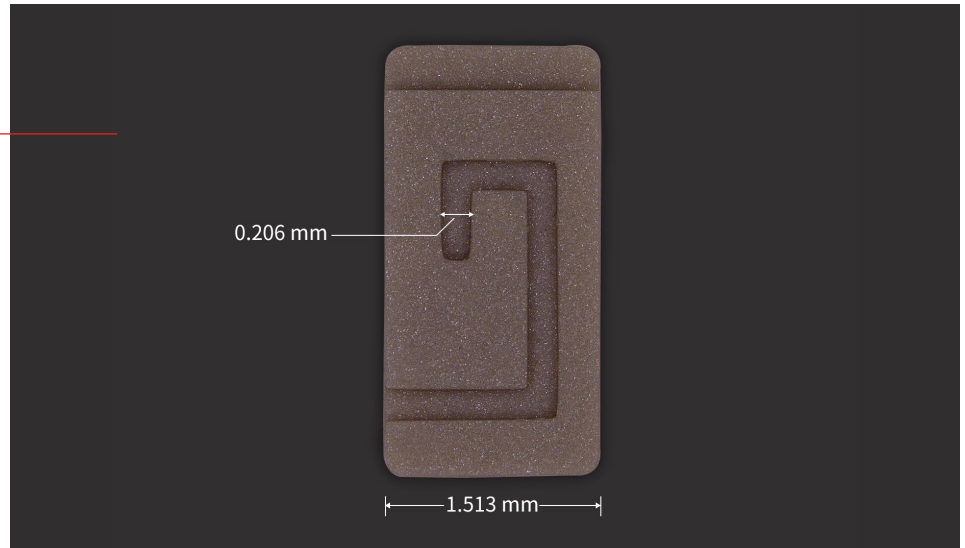


MT Magnesium Titanate Ceramic

The combination of high dielectric constant and low dielectric loss make MT Ceramic suitable for millimeter wave applications such as antennas, wave guides, and other electronic components.



Powder	PURITY (%)	99.5
	Slurry	
	SOLIDS LOADING (VOL%)	49.4
	DYNAMIC VISCOSITY [Pa·s]	6
Sintered Ceramic	THEORETICAL DENSITY (g/cm ³)	3.69
	RELATIVE DENSITY (%)	98.5
	THREE-POINT BENDING STRENGTH (MPa)	125
	SURFACE ROUGHNESS Ra (μm)	<0.2
	RELATIVE PERMITTIVITY (10 GHz)	19.89
	DIELECTRIC LOSS TANδ (10 GHz)	2.368*10 ⁻⁴
	COEFFICIENT OF THERMAL EXPANSION (ppm/K)	9-10
	THERMAL CONDUCTIVITY (W/(m·K))	32
COMPATIBLE BMF SYSTEMS	S230*, S240*	

¹ Final properties are dependent on print conditions, post-processing operations, and part geometry.

² Test samples were UV cured and heat cured.

* Needs a ceramic vat.