

## CFR High Permeability Material Grades

<b>Property</b>	<b>Test Conditions</b>	<b>CF195A</b>	<b>CF265</b>	<b>CF255<sup>#</sup></b>	<b>CF190</b>	<b>CF197</b>	<b>CF275<sup>#</sup></b>	<b>CF199</b>
<b>Initial Permeability</b>	<b>25C</b>	<b>5000± 20%</b>	<b>5000± 20%</b>	<b>5500± 25%</b>	<b>6000± 20%</b>	<b>7000± 20%</b>	<b>7000± 25%</b>	<b>10000± 30%</b>
<b>Saturation Flux Density at 10khz (mT)</b>	<b>25C</b>	<b>400</b>	<b>430</b>	<b>440</b>	<b>400</b>	<b>400</b>	<b>420</b>	<b>400</b>
	<b>100C</b>	<b>260</b>	<b>300</b>	<b>310</b>	<b>250</b>	<b>220</b>	<b>240</b>	<b>260</b>
<b>Relative loss factor(*10<sup>-6</sup>)</b>	<b>10khz</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;5</b>	<b>&lt;5</b>	<b>&lt;7</b>	<b>&lt;5</b>	<b>&lt;20</b>
	<b>100khz</b>	<b>&lt;20</b>	<b>&lt;25</b>	<b>&lt;15</b>	<b>&lt;40</b>	<b>–</b>	<b>&lt;25</b>	<b>–</b>
<b>Hysteresis material Constant(*10<sup>-6</sup>)</b>	<b>25C</b>	<b>&lt;0.3</b>	<b>&lt;1.5</b>	<b>&lt;0.3</b>	<b>&lt;1.5</b>	<b>&lt;1.5</b>	<b>&lt;0.3</b>	<b>&lt;0.3</b>
<b>Relative temperature coefficient(*10<sup>-6</sup>)</b>	<b>25-55°C</b>	<b>–</b>	<b>–</b>	<b>-.0.5-2.0</b>	<b>–</b>	<b>–</b>	<b>-.0.5-2.0</b>	<b>–</b>
<b>Curie Temperature</b>	<b>–</b>	<b>&gt;120</b>	<b>&gt;160</b>	<b>&gt;150</b>	<b>&gt;120</b>	<b>&gt;120</b>	<b>&gt;130</b>	<b>&gt;115</b>
<b>Resistivity (Ω m)</b>	<b>25C</b>	<b>0.5</b>	<b>0.2</b>	<b>0.5</b>	<b>0.5</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>
<b>Density(g/cc)</b>		<b>4.8</b>	<b>4.8</b>	<b>4.9</b>	<b>4.8</b>	<b>4.85</b>	<b>4.9</b>	<b>4.85</b>

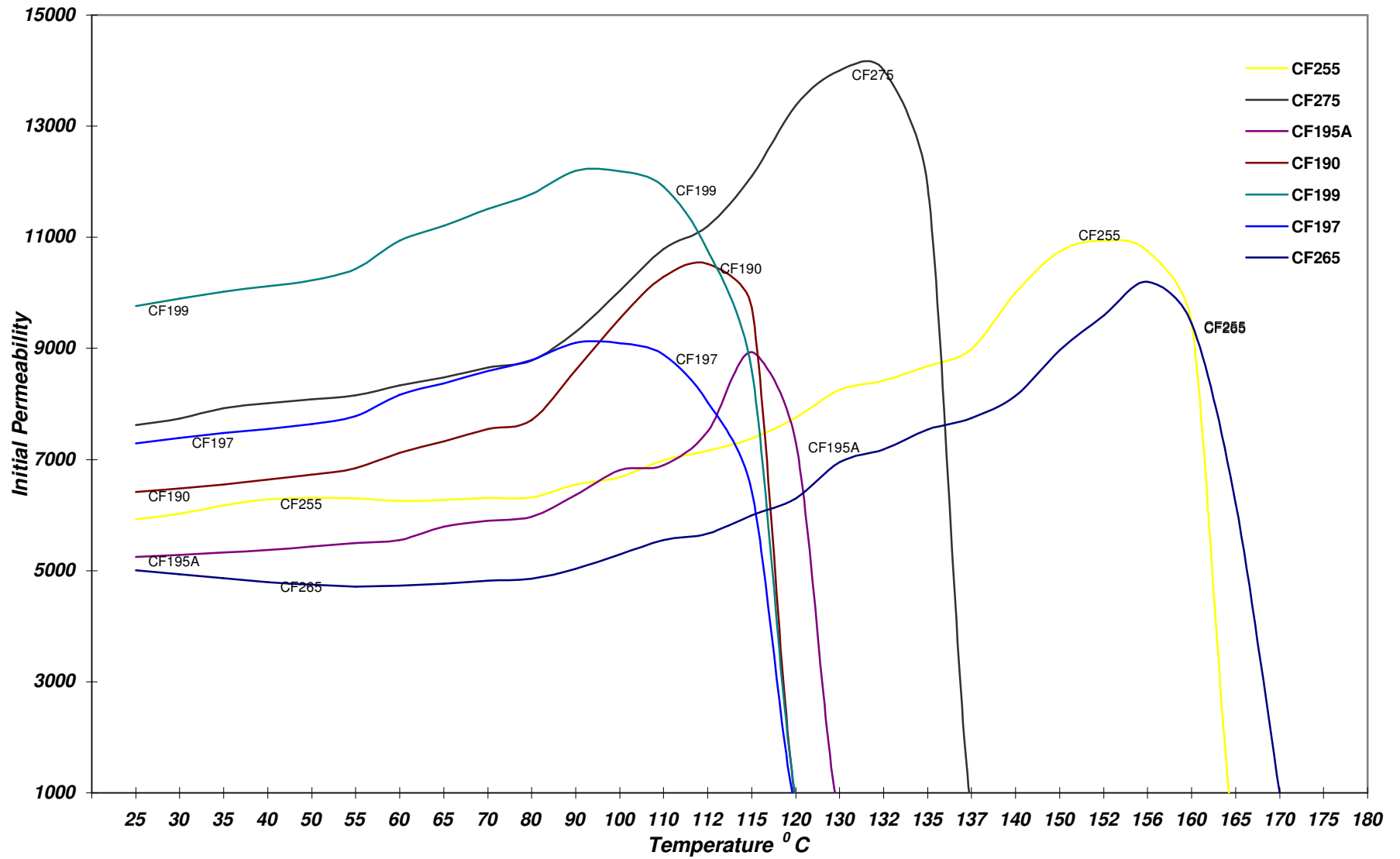
#- Latest Developments

Cosmo Ferrites Limited

Tested on standard toroids T25x15x12

Contact:-sales@cosmoferrites.com

### Initial Permeability Vs Temperature



# Initial Permeability Vs Frequency

