EverTherm™

NEW Thermally Conductive EMI Absorber EV-TCA Series

Technical Data Sheet

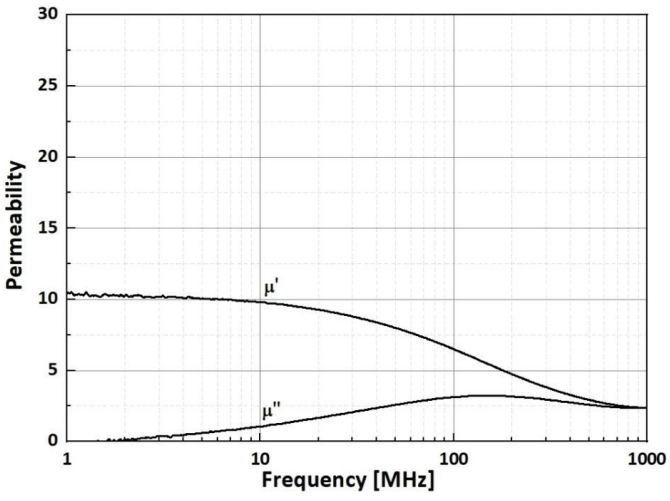
EV-TCA is a hybrid Thermally Conductive EMI Absorber for absorbing surface waves, oscillation and mode while offering thermal protection. EV-TCA fills gaps on IC chip surfaces with its soft pliable texture. Because it is non-conductive it can be placed between the circuit board and casing, chip and ASIC to reduce unwanted noise while offering cooling protection. The natural tacky composition easily bonds to any surface for easy assembly. Also contains extremely low level of molecular siloxane.

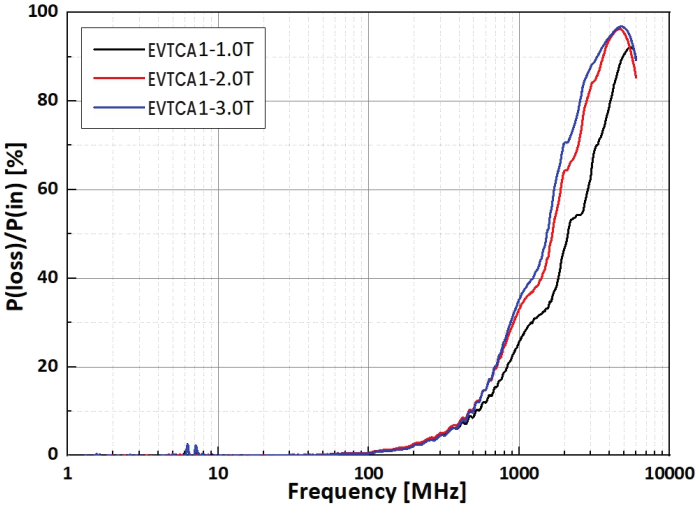
Features:

- Excellent thermal conductivity (Up to 3.0 W/mK)
- Wide frequency band available (1MHz up to 3GHz)
- A wide range of operating temperatures makes it versatile. (-40 to 150°C)
- It is very flexible and has excellent adhesion to the adherend.
- Excellent flame retardancy
- Can be processed into various shapes according to customer's requirements

Contents	Unit	EVTAA91	EVTAA92	EVTAA93	EVTAA94
Thermal conductivity	W/mK	1.5	2.0	2.5	3.0
Permeability (μ at 3MHz)		10	13	17	25
Operating temperature	°C	-40 ~ +150	-40 ~ +150	-40 ~ +150	-40 ~ +150
Density	g/cm3	4.5	4.8	5.2	5.5
Surface resistance	Ω/	1 x 109	1 x 109	1 x 108	1 x 108
Hardness (Shore 00)		60 ±10	60 ±10	70 ±10	70 ±10
Standard Size	mm	W210*L300 ±1%, T1.0~3.0 ±10%			
Retardancy		UL94 V0 Equivalent			

EVTCA91(1.5W/mK)





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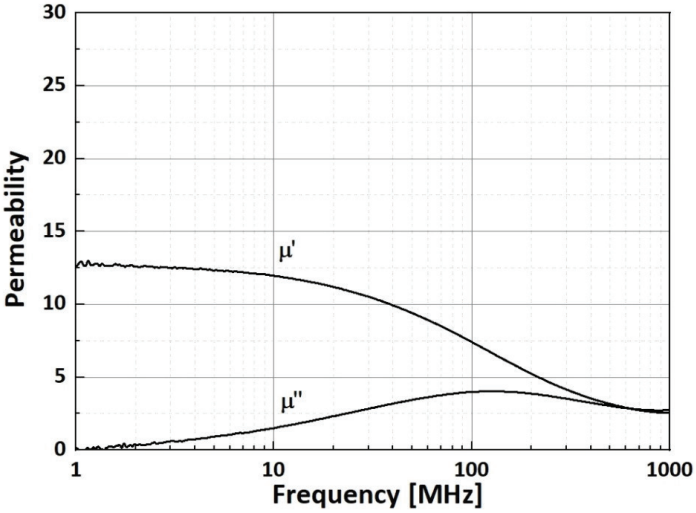
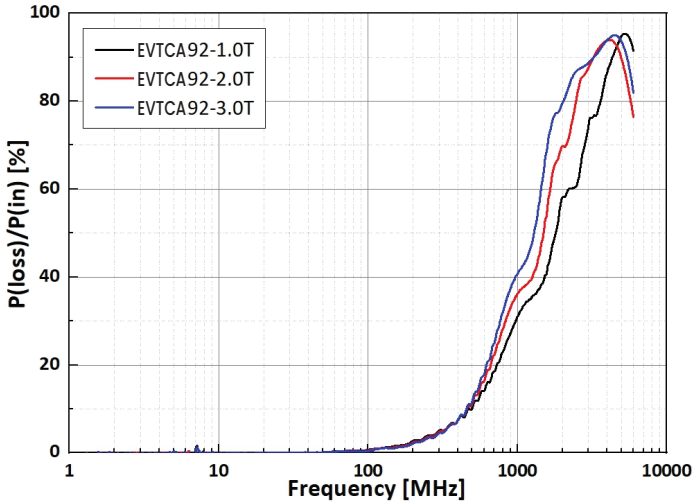
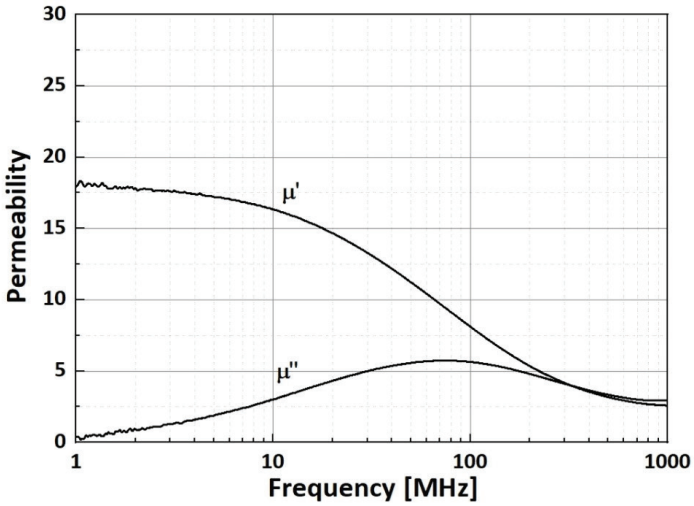
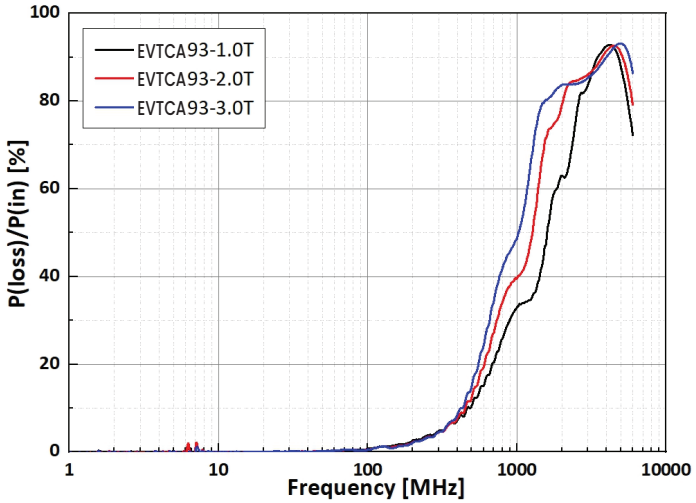
EVTCA92(2.0W/mK)



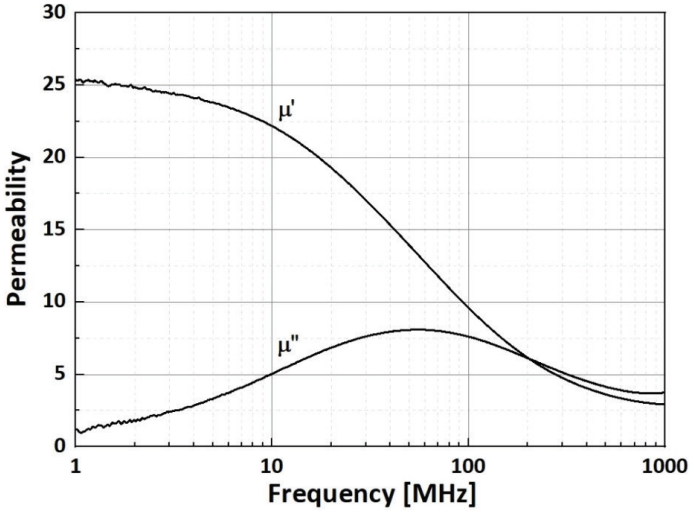


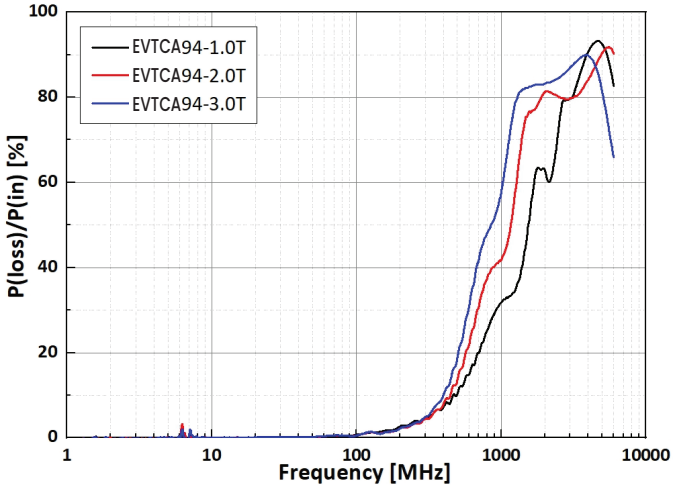
EVTCA93(2.5W/mK)





EVTCA94(3.0W/mK)





Note: The information provided herein is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application. All test data is typical. Therefore, these recommendations and data are for reference only and not as a product warrant