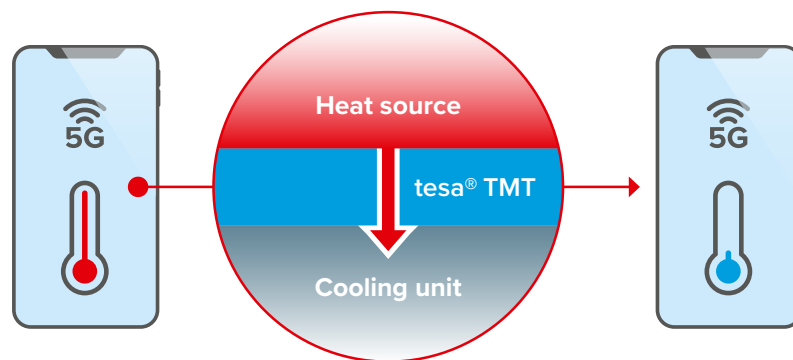


Thermal management tapes

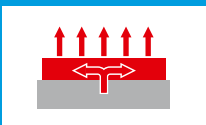
tesa[®] TMT is a solution that keeps electrical devices cool

5G technology and the trend towards higher energy consumption generate more heat on components such as core chip modules and antenna applications in mobile devices. This increased temperature of components leads to a variety of effects such as performance and malfunction on the component itself and also on the performance of the entire device. End users may get a negative image of the device, such as low performance at slow data speeds, low reliability, or discomfort from high surface temperature of the device. These issues need to be addressed and our thermal management tapes can help.

tesa[®] TMT – cooling scenario



Key features



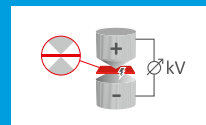
Excellent thermal conductivity



Strong bonding strength



Excellent surface wet-out



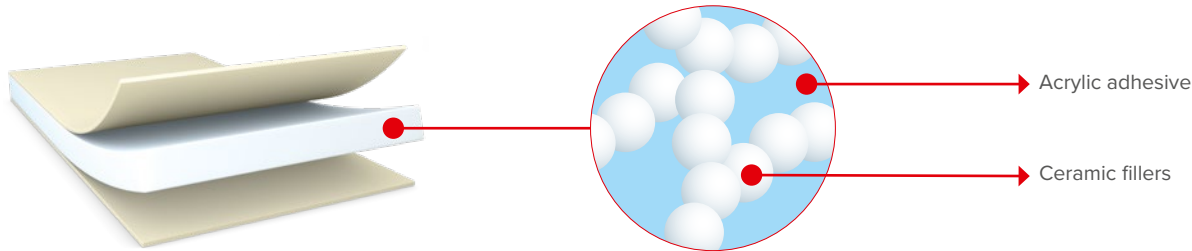
High breakdown voltage



Ultra-thin design

tesa® TMT 6074x series

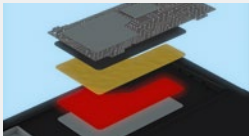
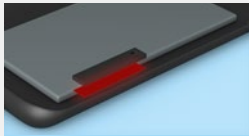
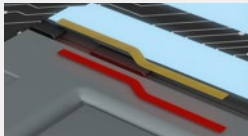
tesa® TMT 6074X provides superior thermal transfer performance with excellent bonding properties. It has very good surface wet-out on substrates due to the transfer tape design which helps to maximize the thermal transfer efficiency in electronic devices. The available thickness range starting from ultra-thin 10µm ending at 100µm offers more flexibility in the device design.



Product design

Performance overview

	tesa® TMT 60742	tesa® TMT 60743	tesa® TMT 60744	tesa® TMT 60745*
Color	White	White	White	White
Thickness [µm]	10	30	50	100
Thermal conductivity [W/m x K]	0.6	1.0	1.0	1.0
Peel adhesion [N/cm]	3.5	4.0	5.0	>5.0
Wetting [%]	79	81	84	>85
Breakdown voltage [kV]	0.4	1.5	2.9	>2.0

Exemplary applications			
	Vapor chamber mounting	5G-Antenna mounting	Heat pipe mounting

* under development

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