

**Materials Default Values – Metal core (IMS)**

Poole, 01.08.2018

In the following, we have listed the established default values for Metal core / IMS- (Insulated Metal Substrate) materials used at Multi Circuit Boards Ltd.

The quality of your PCBs is assured through the use of technical comparable materials (dependent on manufacturing inventory, global market). A specific material can be defined on request; this may lead to a longer production time and / or a price adjustment.

		<b>IMS 1.3</b>	<b>IMS 2.0</b>	<b>IMS 3.0</b>
Thermal conductivity	W/mK	≥ 1.3	≥ 2.0	≥ 3.0
Thermal resistance	K/W	0.77	0.40	0.30
Surface resistivity	MΩ	10 <sup>6</sup>	10 <sup>6</sup>	10 <sup>8</sup>
Dielectric glass transition (Tg)	°C	100	120	130
Dielectric Breakdown (AC)	kV	≥ 3.0	≥ 4.3	1L ≥ 3.5 / 2L ≥ 7.0
CTI	V	600	600	600

Depending on availability  
and / or customer request

z.B.	TC Lam 1.3 HA50 (2) CCAF-04	AL-200 HA50 (3) CCAF-05	AL-300 VT-4B3
------	-----------------------------------	-------------------------------	------------------

If you need a special material (e.g. Metal core with W/mK ≥ 4, flexible Metal core, etc.), please contact us. You can find an overview on our website: [www.multi-circuit-boards.eu](http://www.multi-circuit-boards.eu)

*Text data contained in this data sheet represents typical values and does not constitute any warranty or guarantee. For review of critical specification tolerances, please contact our CAM department.*