



INTERNATION LAMINATE MATERIAL LIMITED

GC214L (High thermal conductivity CEM-3)

FEATURES:

- Excellent thermal conductivity
- Excellent Insulation, Electrical properties similar to CEM-3.
- Good Dimensional Stability
- PCB processing equivalent to Al Base CCL
- Suitable for PTH processing

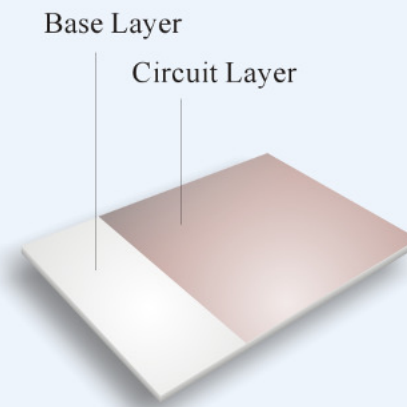
APPLICATIONS:

- LED Lighting
- Auto-electrics
- LED TV
- Power base board

SPECIFICATION:

- Metal Substrate Layer: 0.8mm;1.0mm;1.2mm;1.5mm;1.6mm;2.0mm etc.
- Available Size: 1000×1200mm;1050×1250. Unconventional size according to customer demand
- Copper Foil: 18 μm(HOZ);28 μm;35 μm(1oz);52 μm(1.5oz);70 μm(2oz);105 μm(3oz) etc.

PERFORMANCE:



Item	Test Condition	Unit	Specification	Actual Value
Thermal Conductivity	CPCA-4105-2010	W/m.k	$1.0 < \lambda \leq 1.5$	1.0
Heat Resistance	CPCA-4105-2010	K · m ² /W	--	9.8×10^{-4}
Thermal Stress	288℃ solder Float	S	288℃ ≥ 120	180
Peel Strength	288℃/10s Float	LBS/IN	≥ 6	7
Dielectric Breakdown	AC	KV	≥ 40	42
CTI	IEC60112	V	/	400
TG	DSC	℃	AABUS	115
Surface Resistivity	E24/125	Ω	$\geq 1.0 \times 10^4$	10^6
Volume Resistivity	E24/125	Ω cm	$\geq 1.0 \times 10^6$	10^8
Dielectric Constant	1MHz	/	AABUS	4.6
Dissipation Factor	1MHz	/	AABUS	0.018
Moisture Absorption	D24/23	%	≤ 0.5	0.22
Flamm ability	UI94	/	V-0	V-0

- All datas are subject to change without notice.

