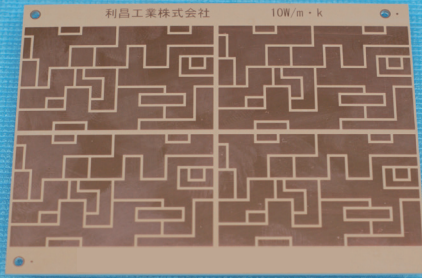


## AC/AD-7210N

### High Thermal Conductive Material [10W/mK]



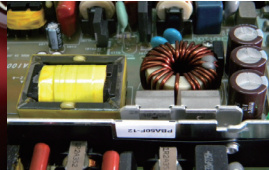
Power IC



High Power LED



Automotive



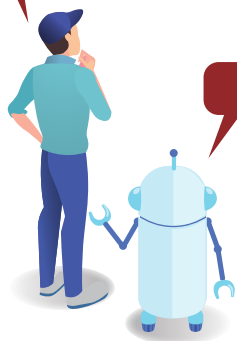
Power Module

#### Features and Benefits:

- Excellent Thermal Conductivity: 10W/mK
- High Thermal Resistance:  $T_g > 300^\circ\text{C}$
- Low CTE Material
- High Peel Strength: 1.2kN/m

Test Item / Test Method		Unit	Condition	Typical Value
Thermal Conductivity	Xenon Flash	W/mK	A	10
Breakdown Voltage	120 $\mu\text{m}$	kV	A	5
Volume Resistivity	-	M $\Omega\text{m}$	C-96/20/65	$1 \times 10^7$
Surface Resistance	-	M $\Omega$	C-96/20/65	$1 \times 10^8$
Dielectric Constant (Dk)	@1MHz	-	C-96/20/65	6.8
Loss Tangent (Df)	@1MHz	-	C-96/20/65	0.009
Solder Limit	290 $^\circ\text{C}$	Sec	A	>300
Water Absorption		%	E 24/50 +D-24/23	0.15
Peel Strength	35 $\mu\text{m}$	kN/m	A	1.2
Tg	DMA	$^\circ\text{C}$	A	>300
	TMA	$^\circ\text{C}$	A	300
CTE (XYZ)	$\alpha 1$	ppm/ $^\circ\text{C}$	A	10 ~ 20
	$\alpha 2$			30 ~ 60
UL Flammability		-	UL 94	V-0 equiv.

High Thermal Conductivity 10W/mK!



$T_g > 300^\circ\text{C}$ !

Product	PET Film ( $\mu\text{m}$ )	Cu ( $\mu\text{m}$ )	Al (mm)	Dielectric ( $\mu\text{m}$ )
Al-Base CCL (AC-7210N)	-	35 / 70 / 105	1 / 1.5 / 2	120
Bonding Sheet (AD-7210N)	38	-	-	120