

Aluminum Plate Features

	Unit	ETAAXxC6	ETAAXxD6
--	------	----------	----------

Thermal Performance

Thermal Conductivity	W / m .k	3.0	2.0
Thermal Resistance	°C/W	0.58	0.2
Maximum Operating Temperature of Solder	°C	288	288
Continuous Use Temperature	°C	120	130

Electrical Properties

Volume Resistance	ohm cm	1.2×10^{14}	1.0×10^{15}
Surface Impedance	ohm	1.0×10^{10}	1.0×10^{14}
Dielectric Constant	KHZ	4.2	
Dielectric Breakdown Voltage	KV/mm	32	>20

Functional Properties

Peel Strength	kg.f/cm	≥ 2.0	≥ 2.0
Solder Float (Heat Stress Test)	300°C Sec	60	30
Solder Dip (Resistance to Soldering test)	300°C Sec	60	30
Time to Delamination (Hot Plate Test)	260°C Sec	240	600
UL Flammability	UL94	V-0	V-0
Water Absorption after 168 Hour	% wt	0.1	0.1
Glass Transition Temperature	°C	105	105
Shelf Life	20°C/Months	6	5

2010/9/21