

Superior moisture resistance,low Dk,low Df,High-Tg, Good process ability (for Laminate, drilling etc.), Powder free

### Features

- These materials are characterized by low dielectric constants and low electric dissipation factors (equals fluorine resin board (PTFE)).

### Application

- Antenna (for Plane antenna of Cellular Phone, Base Station of Cellular Phone,ETC,Wireless LAN etc.)
- High frequency filter, Power Amp for Base Station, Converter for CS, BS



### Characteristic Table of PPE

Characteristic Item	TLC-W-598 double-sided board	TLC-W-598GM double-sided board
Dielectric Constant (1GHz)	3.3	3.1
Dissipation Factor (1GHz)	0.0025	0.0015
Water Absorption(%) -PCT-5/120-	0.2	0.2
Solder Resistance(s) -Solder Float 260°C-	>120	>120
Tg(°C) -TMA-	160	160
Peel Strength-18 $\mu$ m- (kN/m)	1.3	1.3
CTE X(ppm)	18	18
Y(ppm)	18	18
Z(ppm)	70	70

