

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

### Features

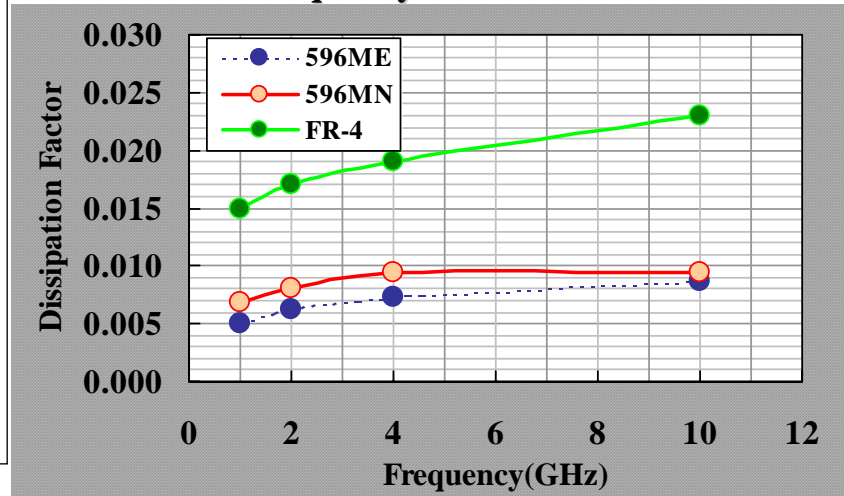
- These materials are characterized by low dielectric constants and low electric dissipation factors.
- Their reliability, such as through-hole reliability and migration resistance reliability, is excellent.

### Application

We have many results.

- Base Station of Cellular Phone (36Layers)
- ETC (car electronics) , application for VCO and other high frequency transmisson equipment.

### Frequency Characteristic of Df



### Characteristic Table of PPE

Characteristic Item	TLC-W-596ME	TLC-W-596MN
Dielectric Constant (1GHz)	3.3	3.4
Dissipation Factor (1GHz)	0.0050	0.0068
Water Absorption(%) -PCT-5/120-	0.4	0.4
Solder Resistance(s) -Solder Float 260°C-	>120	>120
Tg(°C) -TMA-	180	180
Peel Strength-18 $\mu$ m- (kN/m)	1.3	1.3
CTE X(ppm)	16	15
Y(ppm)	19	16
Z(ppm)	85	58

