

Low Temperature Co-fire Ceramic

低温共燒陶瓷粉

Glasses System

| Designation | Reference Firing Temperature | K value (1MHz) | DF (%) | Sintering density (g/cm ³) | Radial Shrinkage (%) |
|-------------|------------------------------|----------------|--------|--|----------------------|
| PL-4.7 | 900°C Keep 30 min | 4.70±0.20 | <0.10 | 2.25±0.20 | 13.00±1.00 |
| PL-6 | 820-880°C Keep 30 min | 6.30±0.20 | <0.10 | 2.80±0.20 | 11.00±1.00 |
| PL-7 | | 7.00±0.20 | <0.10 | 2.80±0.20 | 11.00±1.00 |
| PL-8 | | 7.90±0.20 | <.0.0 | 3.00±0.20 | 13.00±1.00 |
| PL-8-B | | 7.90±0.20 | <0.10 | 3.00±0.20 | 13.00±1.00 |

Glasses System material is for RF inductor application.

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Ceramics System

| Designation | Reference Firing Temperature | K value (1MHz) | DF (%) | Sintering density (g/cm ³) | Radial Shrinkage (%) |
|-------------|------------------------------|----------------|--------|--|----------------------|
| ER-5 | 850~870°C Keep 30 min | 5.00±2.00 | <0.05 | 3.00±0.20 | 15.00±2.00 |
| ER-12 | 890°C Keep 120 min | 12.00±2.00 | <0.05 | 4.00±0.20 | 15.00±2.00 |
| ER-21 | | 20.00±2.00 | <0.05 | 4.00±0.20 | 15.00±2.00 |
| ER-10 | 900°C Keep 240 min | 10.00±2.00 | <0.05 | 5.80±0.20 | 15.00±2.00 |
| ER-20 | | 19.00±2.00 | <0.05 | 5.80±0.20 | 15.00±2.00 |
| ER-40 | | 38.00±2.00 | <0.05 | 5.80±0.20 | 15.00±2.00 |