



DIELECTRIC POWDERS for SLC, PME&BME-MLCC, and MICROWAVE APPLICATION

Excellent Value, Guaranteed Quality, "Clean and Green" Formulations for Dielectric Powders

PDC provides dielectric formulations, high purity barium titanates and microwave powders. With production bases in China and Taiwan, PDC provides excellent value to customers as a cost effective supplier of barium titanates and dielectrics. PDC produces all powders in-house from scratch based on solid state processes and newly developed chemical processes. PDC started some 15 years ago as a producer of powders for disk capacitors. By continuous innovation and development they are now

targeting the MLCC market with new compositions. Their excellent process control enables production of state of the art high purity, fine grained products with high performance.

Quality is guaranteed by stringent in-house quality procedures, MLCC test batch production, and ISO qualifications. PDC's products are aimed at green COG and X7R systems (lead and cadmium free) in addition to competitive BME X7R and Y5V powders.



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DRY PRESSING PROCESS

TEMPERATURE COMPENSATION TYPE

NPO-10B, NPO-20B, NPO-40B, NPO-110B, N750B, SL-330B, SL-280B

HIGH-K TYPE

Z5U103B, Z5V213B, Y5U852B, Y5V163B, Y5E162B, Y5P302B, Y5P402B
X7R352B

WET EXTRUSION PROCESS

TEMPERATURE COMPENSATION TYPE

NPO-10, NPO-20, NPO-40, NPO-110, N750, SL-330, SL-280

HIGH-K TYPE

Z5U, Z5V, Y5U, Y5V, Y5E, Y5P, X7R

SEMICONDUCTIVE TYPE

SBL-Y5V, SBL-Y5U

MICROWAVE APPLICATIONS

NPO-10M, NPO-20M, NPO-37M, NPO38M, NPO-40M, NPO-90M

BARIUM TITANATES

Purity (Min%) : 98.0% / 99.0% / 99.5%

BaO/TiO₂ (Mole ratio) : 0.995 / 1.000 / 1.005 / 1.008

Particle Size (d₅₀; μm) : (0.6*) / 1.0 / 1.4

* under development, please ask for samples

MLCC FORMULATIONS

PME

UCG400 (Pd 10 Ag90)
UCG990 (Pd 10 Ag90)
CG101G (Pd 30 Ag70)
YV183 (Pd 20 Ag80)
X7R282 (Pd 30 Ag70)

BME

BME-Y5V153
BME-X7R342
BME-COG310 (pilot scale)