

Dielectric Powders

Disk Type – Dry Pressing Processes

Product Features

- Temperature Compensation
- High-K



Temperature Compensation Type

Designation	Electric Properties			Reference Code		Reference Firing Temperature, °C
	K-value at 1MHz	Q Factor Min.	I.R. Min. M Ω	JIS	EIA	
NPO-20B	23 \pm 1	3000	10 ⁵	CG	COG	1330 \pm 10
NPO-40B	48.0 \pm 1.5	3000	10 ⁵	CG	COG	1210 \pm 10
NPO-110B	100 \pm 10	3000	10 ⁵	CG	COG	1270 \pm 10
SL-330B	325 \pm 25	2000	10 ⁵	SL	-	1360 \pm 10
SL-290B	285 \pm 25	3000	10 ⁵	SL	-	1360 \pm 20

High-K Type

Designation	Electric Properties			Reference Code		Reference Firing Temperature, °C
	K-value at 25°C	D.F. Max.%	I.R. Min. M Ω	JIS	EIA	
Z5U103B	10000 \pm 1000	0.6	10 ⁴	ZE	Z5U	1360 \pm 10
Z5V213B	20000 \pm 3000	0.7	10 ⁴	ZF	Z5V	1380 \pm 10
Y5U852B	11000 \pm 1000	0.7	10 ⁴	YE	Y5U	1390 \pm 20
Y5V163B	17000 \pm 1000	0.6	10 ⁴	YF	Y5V	1360 \pm 20
Y5E162B	1675 \pm 125	0.65	10 ⁴	YA	Y5E	1255 \pm 10
Y5P302B	3000 \pm 300	1.0	10 ⁴	YB	Y5P	1375 \pm 10
Y5P402B	3900 \pm 500	1.5	10 ⁴	YB	Y5P	1390 \pm 10
X7R342B	3600 \pm 300	1.5	10 ⁴	-	X7R	1360 \pm 10

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