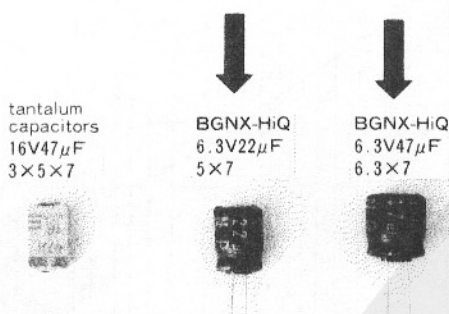


## Non-polarized Very Low Noise Electrolytic Capacitor

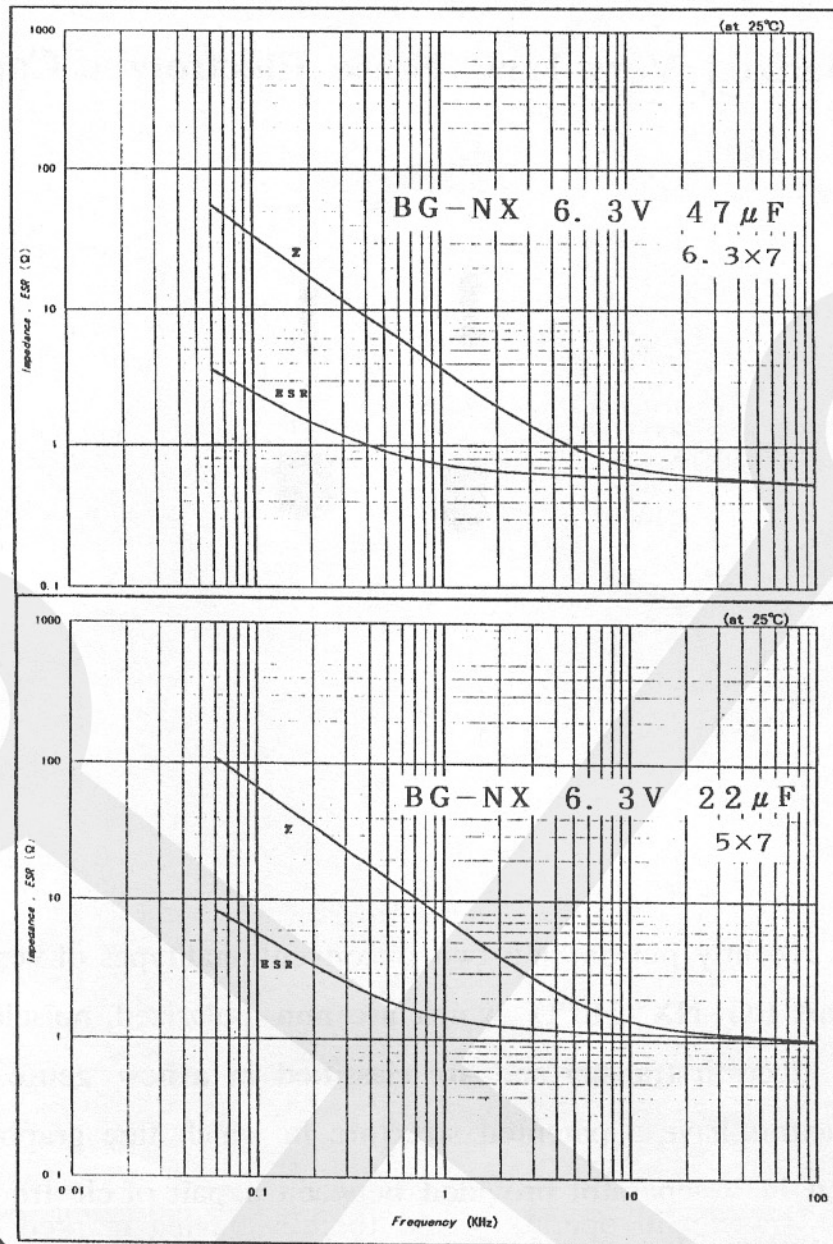


Jelmax has recently put on sale two unconventional types of very small Black Gate capacitors BG-NX Hi-Q which are non-polarized, noiseless capacitors based on an electron transfer and are classified in a new genre.

These capacitors have a patented structure in which fine graphite particles are distributed in a separator provided between a pair of electrodes and including electrolyte. Ion transfer inside of the capacitors is converted into an electron transfer in operation, and thereby having marked a noise level of -174db by measurment with a distortion meter CLT-1 EX which level being the lowest in the world.

The noise level generated by them is lower by 40-50db than that generate by tantalum and organic semiconductor capacitors ordinary used. Therefore, when they are used in a DC-DC converter of cell phones, they can completely eliminate the harmful noise generated from the smoothing capacitors by a switching wave and can wipe out the noise contamination against medical and communication equipments.

1



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3rd Harmonic Distortion Characteristics (CLT-1 EX)

