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Performance Characteristics Comparison

SMT **V-Chip** Format Aluminum Electrolytic Capacitors →



Liquid Electrolyte Construction VS. Hybrid Construction

NACY series - Liquid Electrolyte Capacitor (Low ESR)

NSPE-H series - Hybrid Construction Capacitor

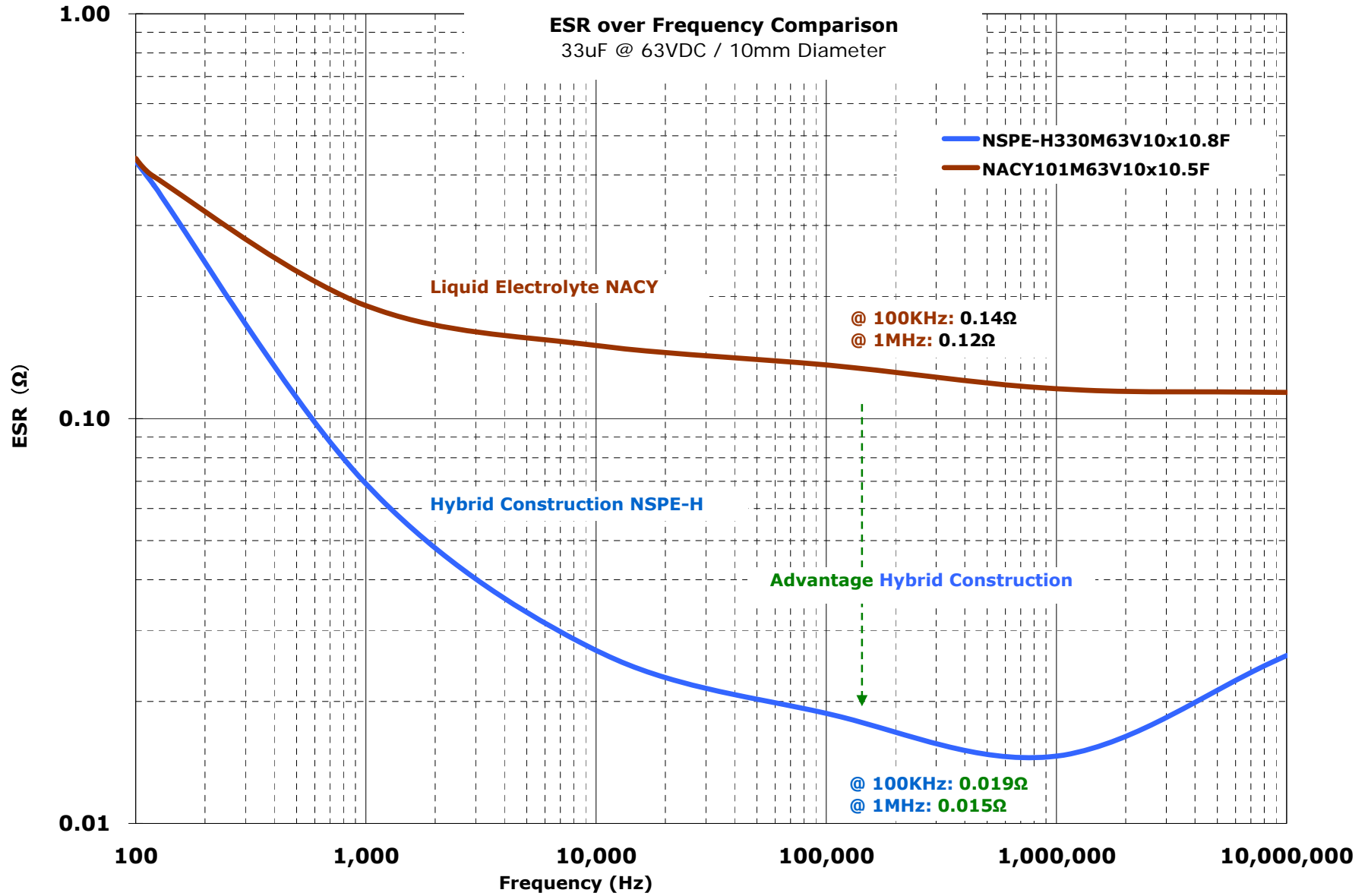
- ESR (Equivalent Series Resistance) over Frequency Comparison (100Hz ~ 10MHz)
 - 33uF @ 63VDC / 10x10mm case size ...Page 2
 - 47uF @ 35VDC / 6.3mm case size ... Page 3
 - 47uF @ 63VDC compared to 22uF @ 63VDC ... Page 4
 - 100uF @ 35VDC / 8x10mm case size ... Page 5

- ESR (Equivalent Series Resistance) over Temperature Characteristics (-55C ~ +105C)
 - 100uF @ 35VDC / 8x10mm case size ... Page 6

FINDINGS:

NSPE-H series **hybrid construction capacitors** feature greatly improved ESR performance (**up to 10X advantage**) over liquid electrolyte construction

Technical support on this data: tpmg@NICcomp.com



ESR over Frequency Comparison
47uF @ 35VDC / 6.3mm Diameter

