



SAMWHA CAPACITOR

Future Direction

| Product Development under process



Future Direction

Focus on Increasing of High reliability MLCC

- Increasing voltage rating of current Hi-Cap part (more than 50V, 10μ F)
 - → Expanding up to 100V
- Increasing maximum capacitance
 - → Expanding up to 220µF and above
- Expansion of soft-termination type MLCC lineup
- Expansion of High Temperature & High Reliability MLCC lineup
 - → 150°C, X8R Series
 - ; Completed development of general 1^{µF}, and under 1^{µF}

Product Development under process

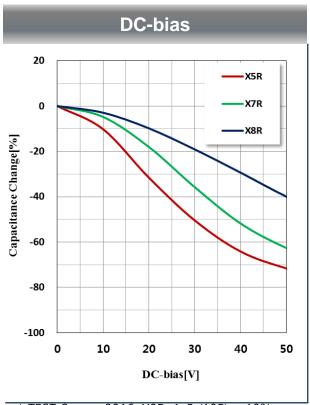


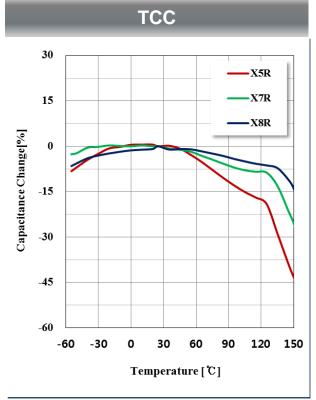
High-Temperature Application MLCC

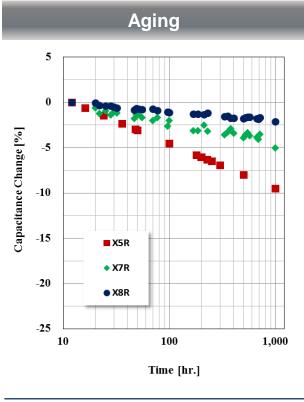
X8R Series Characteristics



- The X8R series could be applicable to devices that operating in high-temperature environments
- Temperature Characteristics (X8R, -55 to 150°C, Capacitance Change ±15%)
- Excellent DC-bias, Temperature and Aging properties







1.6T

^{*} TEST Spec. : 3216, X8R, 1μF (105), ±10%,

Product Development under process



Lineup for High-Temperature Application Type MLCC

