

HIGH TEMPERATURE CERAMIC CAPACITORS

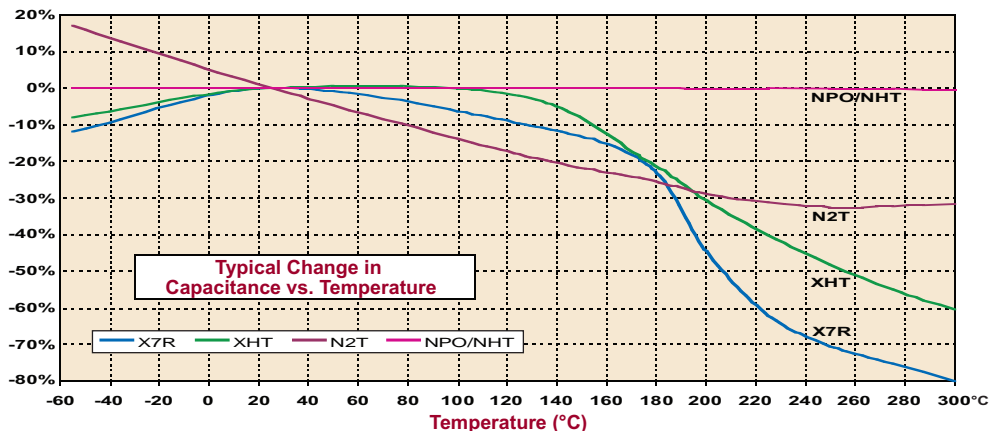
Consult Factory for Requirements Above 250°C

DIELECTRIC CHARACTERISTICS

CHARACTERISTICS	NPO/NHT/NPQ/N2T* DIELECTRIC	XHT DIELECTRIC	X7R DIELECTRIC
OPERATING TEMPERATURE RANGE	-55°C to 250°C+ N2T (125°C Max)	-55°C to 250°C+	-55°C to 250°C+
TEMPERATURE COEFFICIENT UP TO 200°C	0 ± 30 ppm/°C	+15 32% °C Typical	+15 45% °C Typical
INSULATION RESISTANCE @ 25°C @ 200°C	>100 GΩ or >1000 ΩF >1 GΩ or >10 ΩF	>100 GΩ or >1000 ΩF >1 GΩ or >10 ΩF	>100 GΩ or >1000 ΩF >1 GΩ or >10 ΩF
DIELECTRIC WITHSTANDING VOLTAGE	DWV tested at 250% rated voltage except 500V rated parts are tested at 150% rated voltage.	DWV tested at 250% rated voltage except 500V rated parts are tested at 150% rated voltage.	DWV tested at 250% rated voltage except 500V rated parts are tested at 150% rated voltage.
DISSIPATION FACTOR @ 25°C VOLTAGE RATING:	NPO/NHT/NPQ/N2T* DIELECTRIC	XHT DIELECTRIC	X7R DIELECTRIC
10 VDC	.15%	5.0%	7.5%
16/25 VDC	.15%	3.5%	5.0%
50 VDC	.15%	2.5%	3.5%
>50 VDC	.15%	2.5%	2.5%

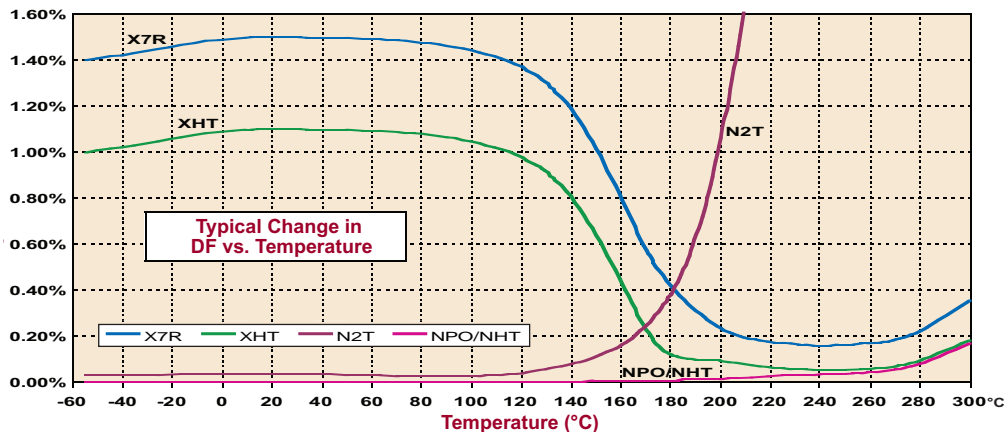
TEMPERATURE COEFFICIENT

Tested at 1VACRMS 1KHz
Capacitance Change



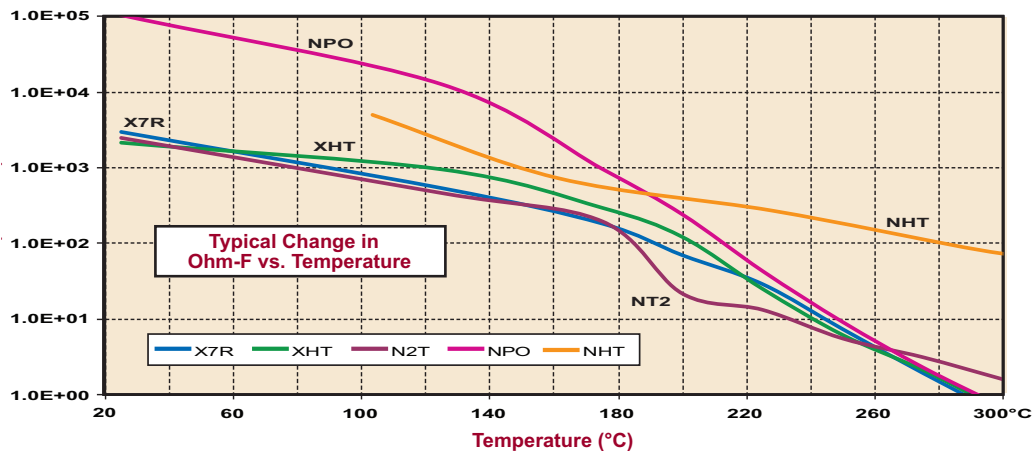
DISSIPATION FACTOR

Percentage Change



INSULATION RESISTANCE

Ohm-F

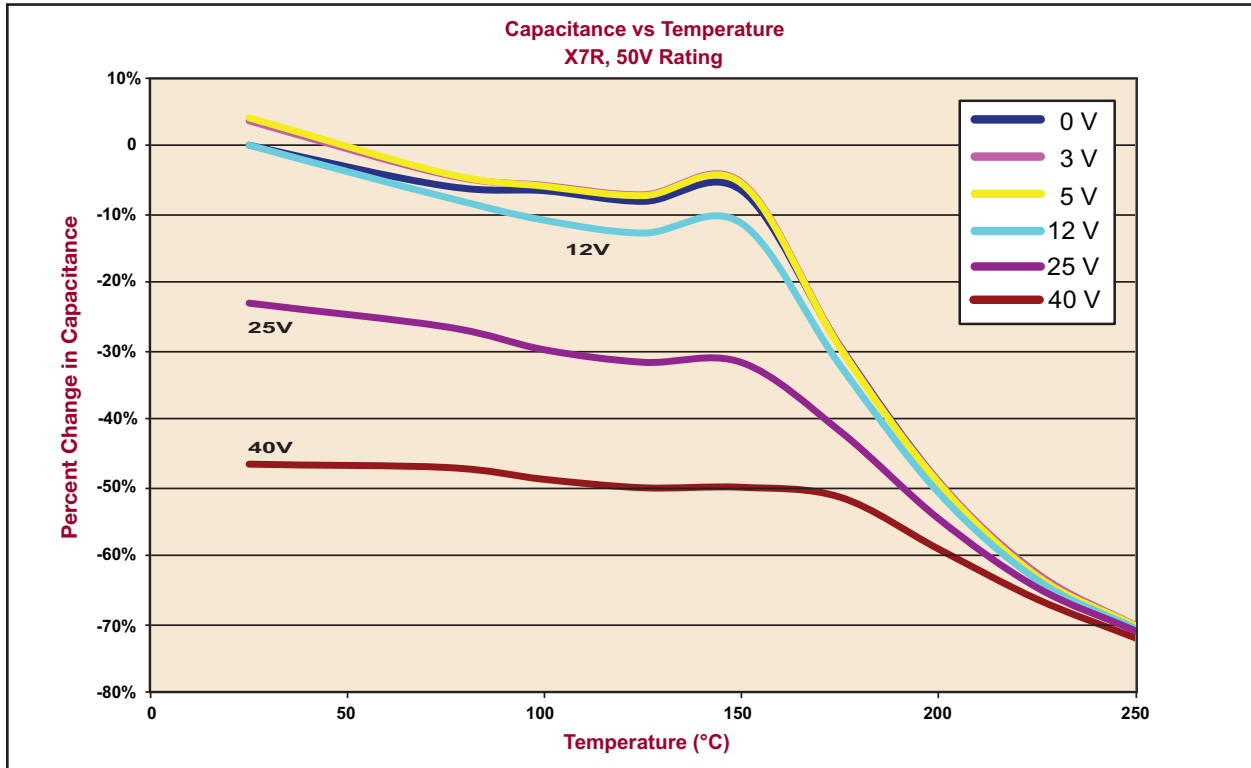


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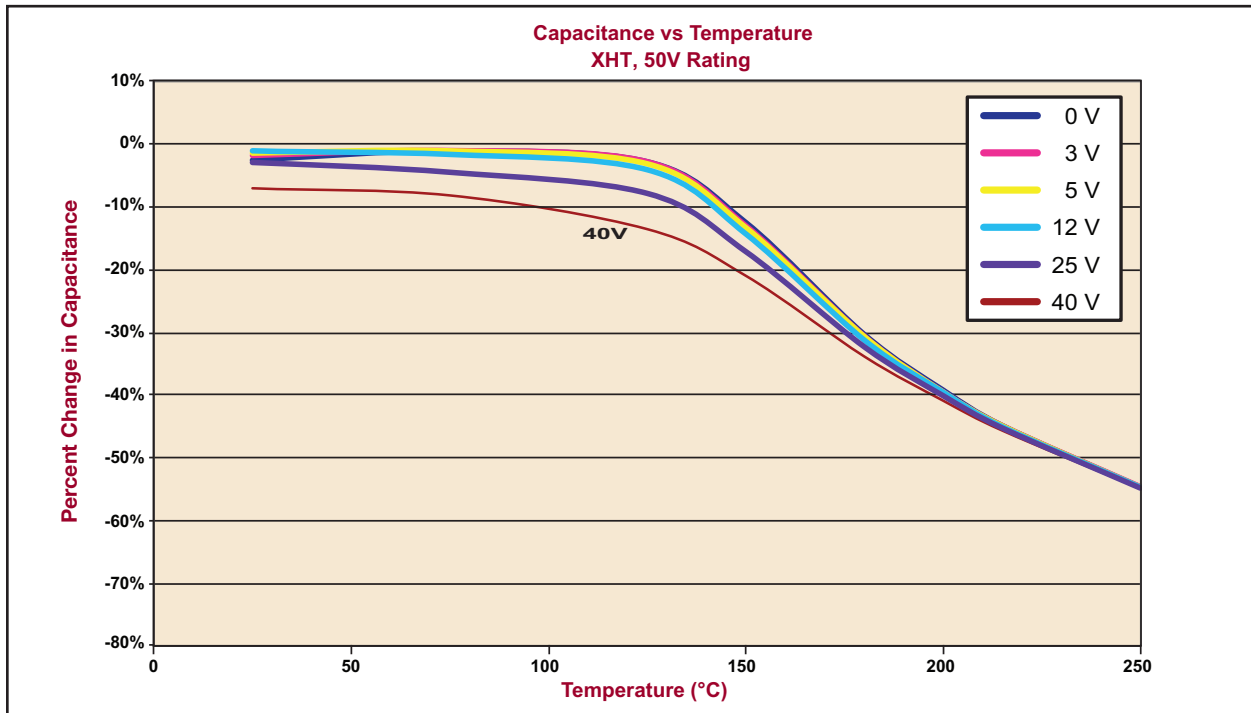
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DIELECTRIC CHARACTERISTICS

TYPICAL VOLTAGE TEMPERATURE COEFFICIENT (X7R)



TYPICAL VOLTAGE TEMPERATURE COEFFICIENT (XHT)



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