

CGAEB1X7T0G105M050BC

TDK item description : CGAEB1X7T0G105MT****

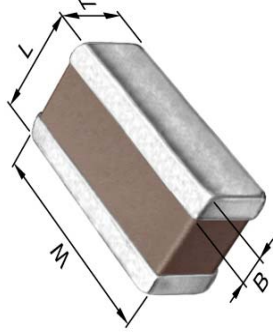
Equivalent C0510X7T0G105M for Automotive

Application & Main Feature

Automotive grade (Low ESL/Reverse geometry)

Series

CGAE(0510) [EIA 0204]



Dimensions

L	0.58±0.10 mm
W	1.10±0.10 mm
T	0.58±0.10 mm
B	0.10 mm min.
G	---

Temperature Characteristic

X7T (-55 to +125 degC, +22/-33%)

Rated Voltage

0G (4Vdc)

Capacitance

1µF

Capacitance Tolerance

M (±20%)

Dissipation Factor

10 % max.

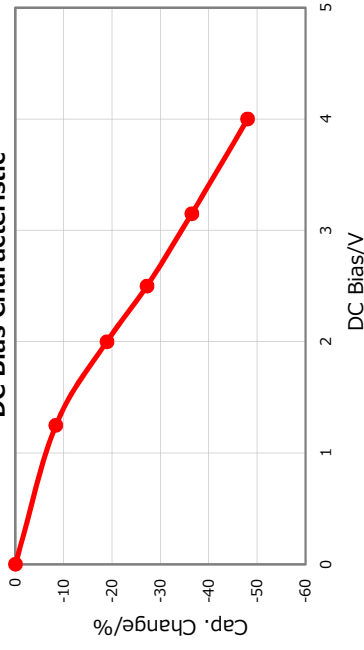
Insulation Resistance

100 Mohm min.

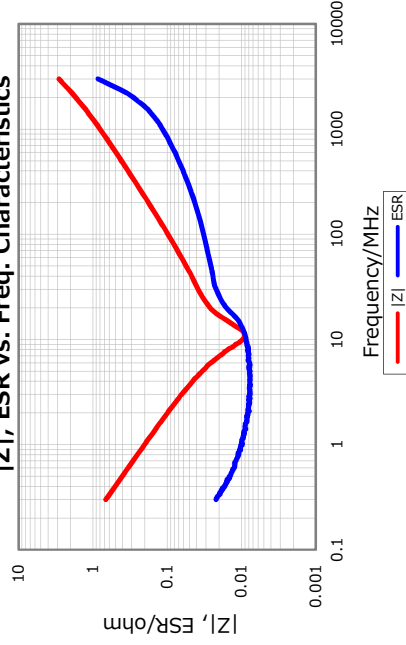
AEC-Q200

Yes

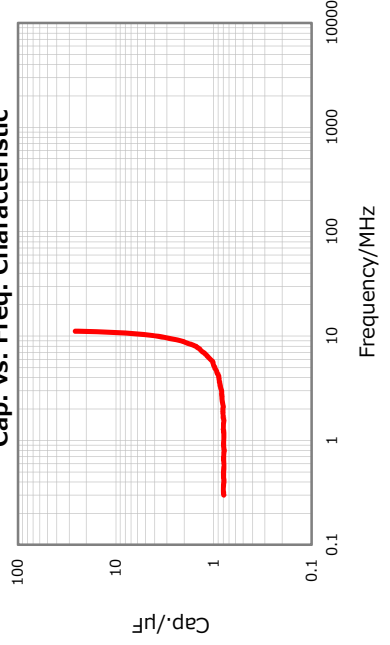
DC Bias Characteristic



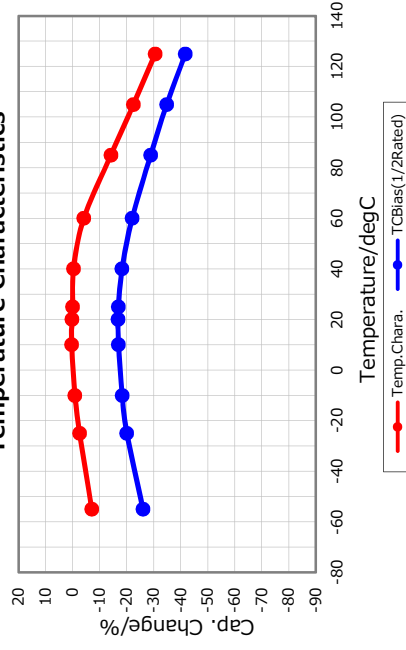
|Z|, ESR vs. Freq. Characteristics



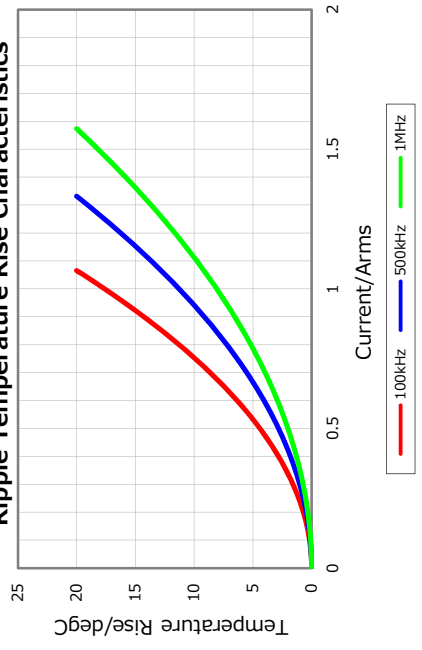
Cap. vs. Freq. Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 21, 2020