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**General Information**

Series	KC-LINK Auto COG
Style	SMD Chip
Description	SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade
Features	Ultra-Stable, Low Loss, Automotive Grade
RoHS	Yes
Termination	Tin
Marking	No
Qualifications	AEC-Q200
Typical Component Weight	1.06 g
Shelf Life	78 Weeks
MSL	1

**Specifications**

Capacitance	0.047 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	5%
Voltage DC	650 VDC
Dielectric Withstanding Voltage	845 VDC
Temperature Range	-55/+150°C
Temp. Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1kHz 1.0Vrms
Dissipation Factor	0.1% 1kHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	21.2766 GOhms

**Dimensions**

L	9.3mm +/-0.6mm
W	10.2mm +/-0.4mm
T	2.5mm +/-0.20mm
S	6.3mm MIN
B	1.27mm +/-0.4mm
Case Code (EIA / mm)	3640 / 91102

**Packaging Specifications**

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	250

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