

KEMET Part Number: CKC18X512MWGACTU
(CKC18X512MWGAC7800)

KC Link Auto C0G, Ceramic, 5100 pF, 20%, 650 VDC, C0G, SMD, MLCC, FT-CAP, Ultra-Stable, 1812



Dimensions

Chip Size	1812
L	4.7mm +/-0.4mm
W	3.2mm +/-0.3mm
T	1.25mm +/-0.15mm
B	0.7mm +/-0.35mm

Packaging Specifications

Weight:	67 mg
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	1000

General Information

Series:	KC Link Auto C0G
Style:	SMD Chip
Description:	SMD, MLCC, FT-CAP, Ultra-Stable
Features:	FT-CAP, Ultra-Stable
RoHS:	Yes
Termination:	Flexible Termination
Marking:	No
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	5100 pF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	20%
Voltage DC:	650 VDC
Dielectric Withstanding Voltage:	845 VDC
Temperature Range:	-55/+150°C
Temperature Coefficient:	C0G
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	30 ppm/C, 1kHz 1.0Vrms
Dissipation Factor:	0.1% 1 kHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms