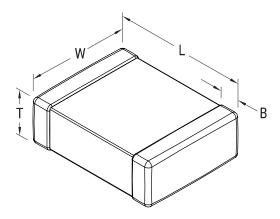
## **KEMET Part Number: CKC18X512MDGACTU**

(CKC18X512MDGAC7800)



KC Link Auto COG, Ceramic, 5100 pF, 20%, 1000 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 1812



Dimensions		
Chip Size	1812	
L	4.7mm +/-0.4mm	
W	3.2mm +/-0.3mm	
Т	1.25mm +/-0.15mm	
В	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:	1000 VDC	
Dielectric Withstanding Voltage:	1200 VDC	
Temperature Range:	-55/+150°C	
Temperature Coefficient:	COG	
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	

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