KEMET Part Number: C1206T682FAGBCTU

(C1206T682FAGBC7800)



SMD COTS C0G, Ceramic, 6800 pF, 1%, 250 VDC, C0G, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 1206



Dimensions		
Chip Size	1206	
L	3.2mm +/-0.2mm	
W	1.6mm +/-0.2mm	
Т	0.78mm +/-0.10mm	
В	0.5mm +/-0.25mm	

Packaging Specifications		
Packaging:	T&R, 180mm, Plastic Tape	
Packaging Quantity:	4000	

General Information	
Series:	SMD COTS COG
Style:	SMD Chip
Description:	SMD, MLCC, COTS, Ultra- Stable, Low Loss, Class I
Features:	Ultra-Stable, Low Loss, Class I
RoHS:	Yes
Termination:	Tin
Marking:	No
Failure Rate:	Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469
AEC-Q200:	No
Component Weight:	15 mg
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	6800 pF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	1%
Voltage DC:	250 VDC
Dielectric Withstanding Voltage:	625 VDC
Temperature Range:	-55/+125°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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.



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