KEMET Part Number: C0805C180J5GACTU

(C0805C180J5GAC7800)



Capacitor, Ceramic, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 18 pF, +/-5% Tol, 50 V, C0G, 0805 (2012 metric)



General Information		
Supplier:	KEMET	
Application:	Standard Chip	
Chip Size:	0805 (2012 metric)	
Temperature Coefficient:	COG	
Part Type Description:	SMD, MLCC, Ultra-Stable, Low Loss, Class I	
Termination Type:	Tin (Sn)	
Marked:	No	
RoHS:	Yes	

Dimensions (mm)			
Symbol	Dimension	Tolerance	
L	2.00	+/-0.2	
W	1.25	+/-0.2	
Т	0.78	+/-0.10	
В	0.50	+/-0.25	
S	0.75	MIN	

18 pF	Capacitance:		Combal Dimension	
50 V	Voltage:	Tolerance	Dimension	Symbol
+/-5%	Tolerance:	+/-0.2	2.00	L
-55/+125C	Temperature Range:	+/-0.2	1.25	W
0.1%	Dissipation Factor:	+/-0.10	0.78	Т
0% loss/decade	Aging Rate:	+/-0.25	0.50	В
100 GOhm	Insulation Resistance:	MIN	0.75	S
125 V	Dielectric Strength:			

Packaging Specifications		
Package Kind:	T&R	
Package Size:	7in	
Package Type:	Paper Tape	
Package Quantity:	4000	

Specifications		
Capacitance:	18 pF	
Voltage:	50 V	
Tolerance:	+/-5%	
Temperature Range:	-55/+125C	
Dissipation Factor:	0.1%	
Aging Rate:	0% loss/decade hour	
Insulation Resistance:	100 GOhm	
Dielectric Strength:	125 V	
Miscellaneous Electrical:	Note: KEMET 50V rated parts may be operated at 63 Volts	

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