

## C1825C183K1GACTU

Aliases (C1825C183K1GAC7800)

SMD Comm COG, Ceramic, 0.018 uF, 10%, 100 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1825, 2.3 mm



Click [here](#) for the 3D model.

### General Information

Series	SMD Comm COG
Style	SMD Chip
Description	SMD, MLCC, Ultra-Stable, Low Loss, Class I
Features	Ultra-Stable, Low Loss, Class I
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	190 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	0.018 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 VDC
Temperature Range	-55/+125°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% 1 kHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	55.5556 GOhms

### Dimensions

Chip Size	1825
L	4.5mm +/-0.3mm
W	6.4mm +/-0.4mm
T	1.4mm +/-0.15mm
S	2.3mm MIN
B	0.6mm +/-0.35mm

### Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	1000

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