

**KEMET Part Number: CBR04C180F5GAC**  
(CBR04C180F5GACTU)

Ceramic, High Q, Microwave (CBR), 18 pF, 1%, 50 V, 0402, COG, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I



**Dimensions**

<b>L</b>	1mm +/-0.05mm
<b>W</b>	0.5mm +/-0.05mm
<b>T</b>	0.5mm +/-0.05mm
<b>B</b>	0.25mm +0.05/-0.1mm

**Packaging Specifications**

<b>Packaging:</b>	T&R, 180mm, Plastic Tape
<b>Packaging Quantity:</b>	10000

**General Information**

<b>Style:</b>	SMD Chip
<b>Series:</b>	Microwave (CBR)
<b>Chip Size:</b>	0402
<b>Description:</b>	SMD, Fixed, RF, Ultra High Q, Low ESR, Class I
<b>Features:</b>	Ultra High Q, Low ESR, Class I
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin
<b>Marking:</b>	No
<b>Miscellaneous:</b>	Minimum Q = 1160
<b>Notes:</b>	Solder Reflow Only

**Specifications**

<b>Capacitance:</b>	18 pF
<b>Capacitance Tolerance:</b>	1%
<b>Voltage DC:</b>	50 VDC
<b>Temperature Range:</b>	-55/+125C
<b>Temperature Coefficient:</b>	COG
<b>Dissipation Factor:</b>	0.132%
<b>Aging Rate:</b>	0% Loss/Decade Hour
<b>Insulation Resistance:</b>	10 GOhms
<b>Dielectric Strength:</b>	125 V
<b>Quality Factor:</b>	1160