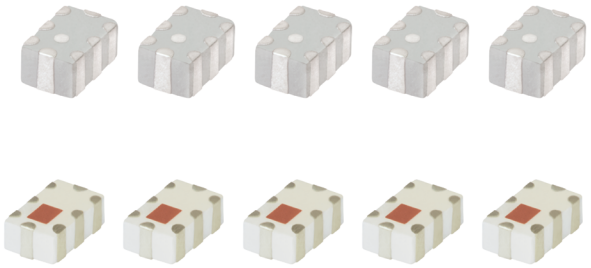
DESIGNER'S KIT K3-LFCG+

Low Pass Filters

50Ω DC to 6100 MHz



FEATURES

- Perfectly suited for WiFi, Bluetooth, Zigbee Applications
- Small size, 0805
- Rugged LTCC construction
- Excellent Power Handling, 1 to 4.5 Watts
- Good Rejection, 30-50 dB typ.
- Low Cost

MINI-CIRCUITS DESIGNER'S KITS SPEED UP THE SOLUTION

RoHS COMPLIANT

K3-LFCG+ ELECTRICAL SPECIFICATIONS

(10 models, 5 of each, 50 Total)

Model[1]	Passband		Stopband 1		Additional Stopbands		Case Style
	(MHz)	Ins. Loss Typ. (dB)	(MHz)	Rejection Typ. (dB)	(MHz)	Rejection Typ. (dB)	
LFCG-2500+	DC-2500	1.2	3500-4000	33	4000-7000 7000-10000	45 30	GE0805C-2
LFCG-2600+	DC-2600	1.1	3850-4200	50	4200-7000 7000-10000 10000-15000	50 30 25	GE0805C-2
LFCG-2750+	DC-2750	1.2	4000-4350	50	4350-7200 7200-10000 10000-16000	50 30 25	GE0805C-2
LFCG-2850+	DC-2850	0.9	3800-4400	30	4400-8000 8000-12000 12000-14000	45 30 20	GE0805C-2
LFCG-3000+	DC-3000	1.1	4550-4800	50	4800-7000 7000-11000 11000-15000	50 30 25	GE0805C-2
LFCG-3400+	DC-3400	1.3	4700-5000	35	5000-8500 8500-15000	40 25	GE0805C-2
LFCG-3500+	DC-3500	1.3	4800-5000	35	5000-8500 8500-15000	38 25	GE0805C-2
LFCG-3800+	DC-3900	1.3	5800-6200	40	6200-8400 8400-12000 12000-18000	42 48 20	GE0805C-2
LFCG-4800+	DC-4800	1.2	6700-7200	34	7200-9300 9300-12500 12500-18000	42 29 20	GE0805C-2
LFCG-612+	4900-6100	1.0	8200	20	9800-12200 14700-18300	40 33	GE0805C-4

1. See individual product datasheets for more details

REV. OR
ECO-008246
K3-LFCG+
MCL NY
210615

Mini-Circuits

Environmental Specifications ENV06

All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

Specification	Test/Inspection Condition	Reference/Spec
Operating Temperature	-55° to 100°C Ambient Environment	Individual Model Data Sheet
Storage Temperature	-55° to 100° C Ambient Environment	Individual Model Data Sheet
Humidity	90 to 95% RH, 240 hours, 50°C	MIL-STD-202, Method 103, Condition A, Except 50°C and end-point electrical test done within 12 hours
Solder Reflow Heat	Sn-Pb Eutetic Process: 225°C peak Pb-Free Process 245° - 250°C peak	J-STD-020, Table 4-1, 4-2 and 5-2, Figure 5-1
Solderability	10X Magnification	J-STD-002, Para 4.2.5, Test S, 95% Coverage
Vibration (High Frequency)	20g peak, 10-2000 Hz, 12 times in each of three perpendicular directions (total 36)	MIL-STD-202, Method 204, Condition D
Mechanical Shock	50g, 11 ms, 1/2-sine, 18 shocks: 3 each direction, each of 3 axes	MIL-STD-202, Method 213, Condition A