

SURFACE-MOUNT WIRE WOUND CERAMIC CHIP INDUCTORS

FAISC-0603

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SURFACE-MOUNT WIRE-WOUND CERAMIC CHIP INDUCTORS

FAISC-0603 SERIES

FEATURES:

Ceramic Core
High frequency design
Excellent Q values
Excellent SRF
High reliability
Excellent thermal stability

OPTIONS:

Packaging: Tape & Reel is standard
(Qty: 3000 pcs)
Bulk packaging available for smaller quantities
Tolerance: 10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

Modems
Mobile Radios
Cordless Telephones
Global Positioning Systems
Telecommunications Systems

ELECTRICAL CHARACTERISTICS:

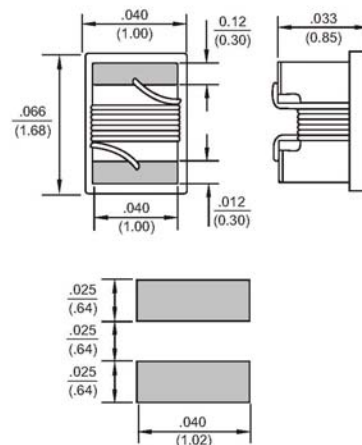
Part Number	L (H)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Max	IDC Max mA
FAAISC-0603-0016K	.0016	0	24	250	12500	0.030	700
FAAISC-0603-0018K	.0018	0	16	250	12500	0.045	700
FAAISC-0603-0036K	.0036	0	22	250	5900	0.075	700
FAAISC-0603-0039K	.0039	0	22	250	6900	0.080	700
FAAISC-0603-0043K	.0043	0	22	250	5900	0.075	700
FAAISC-0603-0047K	.0047	0	20	250	5800	0.116	700
FAAISC-0603-0051K	.0051	0	20	250	5700	0.120	700
FAAISC-0603-0068K	.0068	0	27	250	5800	0.110	700
FAAISC-0603-0075K	.0075	0	28	250	4800	0.110	700
FAAISC-0603-0087K	.0087	0	28	250	4600	0.120	700
FAAISC-0603-0095K	.0095	0	28	250	5400	0.135	700
FAAISC-0603-010J	0.010	5	31	250	4800	0.130	700
FAAISC-0603-011J	0.011	5	33	250	4000	0.130	700
FAAISC-0603-012J	0.012	5	35	250	4000	0.130	700
FAAISC-0603-015J	0.015	5	35	250	4000	0.150	700
FAAISC-0603-016J	0.016	5	34	250	3300	0.160	700
FAAISC-0603-018J	0.018	5	35	250	3100	0.170	700
FAAISC-0603-022J	0.022	5	38	250	3000	0.190	700
FAAISC-0603-024J	0.024	5	37	250	2650	0.200	700
FAAISC-0603-027J	0.027	5	40	250	2800	0.220	600
FAAISC-0603-030J	0.030	5	37	250	2250	0.220	600
FAAISC-0603-033J	0.033	5	40	250	2300	0.220	600
FAAISC-0603-036J	0.036	5	38	250	2080	0.250	600
FAAISC-0603-039J	0.039	5	40	250	2200	0.250	600
FAAISC-0603-043J	0.043	5	39	250	2000	0.280	600
FAAISC-0603-047J	0.047	5	38	200	2000	0.280	600
FAAISC-0603-056J	0.056	5	38	200	1900	0.280	600
FAAISC-0603-068J	0.068	5	37	200	1700	0.340	400
FAAISC-0603-072J	0.072	5	34	150	1700	0.380	400
FAAISC-0603-082J	0.082	5	34	150	1700	0.480	400
FAAISC-0603-R10J	0.10	5	34	150	1400	0.580	400
FAAISC-0603-R11J	0.11	5	32	150	1350	0.610	300
FAAISC-0603-R12J	0.12	5	32	150	1300	0.650	300
FAAISC-0603-R15J	0.15	5	28	150	990	0.750	280
FAAISC-0603-R18K	0.18	0	25	100	990	1.050	240
FAAISC-0603-R22K	0.22	0	25	100	900	1.200	200
FAAISC-0603-R27K	0.27	0	24	100	900	1.400	170
FAAISC-0603-R33K	0.33	0	24	100	850	1.600	160
FAAISC-0603-R39K	0.39	0	24	100	800	2.200	150

Note: 1. K= 10%, M= 20%, N= 30%

TECHNICAL INFORMATION:

Testing: (Equivalent acceptable)
Inductance: HP4191A
Q: HP4291A
SRF: HP8753B
RDC: measured @ 25
Operating Temperature:
Ceramic-55 to +125
Pad metalization: Tungsten-nickel
with gold flash
Solder methods: Wave, Reflow,
Vapor Phase
Solderability: Max 260 for 10 seconds
Marking: EIA color code

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)