

SURFACE-MOUNT WIRE-WOUND CERAMIC CHIP INDUCTORS

FAAISC-1008 SERIES

FEATURES:

Construction: Ceramic to 1.2 H
 Ferrite 1.5 H to 10 H
 High frequency design
 Excellent Q values
 Excellent SRF
 High reliability
 Excellent thermal stability

OPTIONS:

Packaging: Tape & Reel is standard
 (Qty: 3000pcs)
 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)	Td %	Q Min	Test Freq MHz	SRF MHz Min	DCR Max	IDC Max mA	Part Number	L (H)	Td %	Q Min	Test Freq MHz	SRF MHz Min	DCR Max	IDC Max mA
FAAISC-1008-0039K	.0039	0	50	1500	6000	0.035	1000	FAAISC-1008-R22J	0.22	5	45	100	700	0.840	500
FAAISC-1008-0047K	.0047	0	50	1500	6000	0.045	1000	FAAISC-1008-R24J	0.24	5	45	100	600	0.880	500
FAAISC-1008-0056K	.0056	0	50	1000	6000	0.080	1000	FAAISC-1008-R27J	0.27	5	45	100	600	0.910	500
FAAISC-1008-0082K	.0082	0	50	1000	5000	0.050	1000	FAAISC-1008-R33J	0.33	5	45	100	570	1.050	450
FAAISC-1008-010J	0.010	5	50	500	4100	0.080	1000	FAAISC-1008-R39J	0.39	5	45	100	500	1.120	470
FAAISC-1008-012J	0.012	5	50	500	3300	0.090	1000	FAAISC-1008-R47J	0.47	5	45	100	450	1.190	470
FAAISC-1008-015J	0.015	5	50	500	2500	0.100	1000	FAAISC-1008-R56J	0.56	5	45	100	415	1.330	400
FAAISC-1008-018J	0.018	5	50	350	2500	0.110	1000	FAAISC-1008-R62J	0.62	5	45	100	375	1.400	400
FAAISC-1008-022J	0.022	5	55	350	2400	0.120	1000	FAAISC-1008-R68J	0.68	5	45	100	375	1.470	400
FAAISC-1008-027J	0.027	5	55	350	1600	0.130	1000	FAAISC-1008-R75J	0.75	5	45	100	360	1.540	360
FAAISC-1008-033J	0.033	5	60	350	1600	0.140	1000	FAAISC-1008-R82J	0.82	5	45	100	350	1.610	400
FAAISC-1008-039J	0.039	5	60	350	1500	0.150	1000	FAAISC-1008-R91J	0.91	5	35	50	320	1.680	380
FAAISC-1008-047J	0.047	5	65	350	1500	0.160	1000	FAAISC-1008-1R0J	1.00	5	35	50	290	1.750	370
FAAISC-1008-056J	0.056	5	65	350	1300	0.180	1000	FAAISC-1008-1R2J	1.20	5	35	50	250	2.000	310
FAAISC-1008-062J	0.062	5	65	350	1300	0.200	1000	FAAISC-1008-1R5J	1.50	5	28	50	200	2.300	330
FAAISC-1008-068J	0.068	5	65	350	1300	0.200	1000	FAAISC-1008-1R8J	1.80	5	28	50	160	2.600	300
FAAISC-1008-075J	0.075	5	60	350	1200	0.200	1000	FAAISC-1008-2R2J	2.20	5	28	50	160	2.800	280
FAAISC-1008-082J	0.082	5	60	350	1000	0.200	1000	FAAISC-1008-2R7J	2.70	5	22	25	140	3.200	290
FAAISC-1008-R10J	0.01	5	60	350	1000	0.560	650	FAAISC-1008-3R3J	3.30	5	22	25	110	3.400	290
FAAISC-1008-R12J	0.12	5	60	350	950	0.630	650	FAAISC-1008-3R9J	3.90	5	20	25	100	3.600	260
FAAISC-1008-R15J	0.15	5	45	100	850	0.700	580	FAAISC-1008-4R7K	4.70	0	20	25	90	4.000	260
FAAISC-1008-R18J	0.18	5	45	100	750	0.770	620	FAAISC-1008-5R6K	5.60	0	20	7.9	60	7.600	240
FAAISC-1008-R20J	0.20	5	45	100	750	0.800	550	FAAISC-1008-6R8K	6.80	0	20	7.9	60	8.200	200

TECHNICAL INFORMATION:

Testing: (Equivalent acceptable)

Inductance: HP4191A
 Q: HP4291A
 SRF: HP8553B
 RDC: measured @ 25

Operating Temperature:
 Ceramic: -55 to +125
 Ferrite: -55 to +85

Pad metalization:

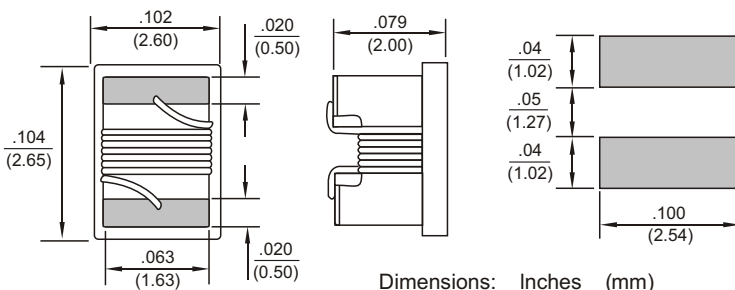
Ceramic: Tungsten-nickel with gold flash
 Ferrite: Silver-nickel with 90/10 solder
 Optional gold flash

Solder methods: Wave, Reflow, Vapor Phase

Solderability: Max 260 for 10 seconds

Marking: EIA color code

PHYSICAL CHARACTERISTICS:



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