

AIR CPRE COIL FASCRQ0806 SERIES



FEATURES :

Air core inductors feature high Q and high current handling
Low loss
Low DCR

APPLICATIONS:

Base Station
LNA
LNB
Satellite

GENERAL SPECIFICATIONS:

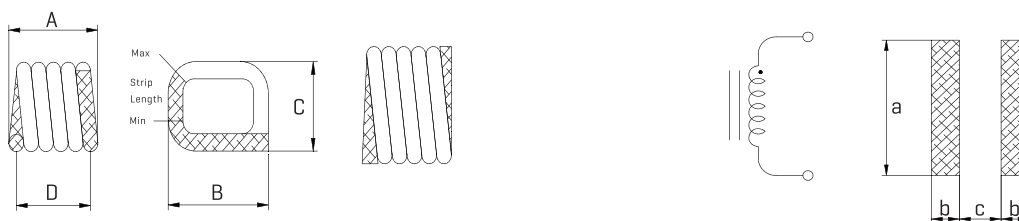
Rated current:2.9A
Parameters Test Temp:25°C
Test Frequency:100MHz
Operating temperature:-40°C to +125°C
Storage Temp:-0°C to +40°C
Resistance to Soldering Heat:260°C for 10 sec
Temperature Rise:40°C Typ. at Rated Current
All parts meet ROHS compliance

ELECTRICAL CHARACTERISTICS

Part Number	Inductance [nH]	Q [Min]	Test Freq [MHz]	D.C.R [mohm] Max at 25°C	SRF [GHZ] Min	Rated current [A]Max
FASCRQ0806-5N5J	5.50±5%	60	400	3.40	4.90	2.90
FASCRQ0806-6N0J	6.00±5%	64	400	6.00	5.20	2.90
FASCRQ0806-8N9J	8.90±5%	90	400	7.00	4.30	2.90
FASCRQ0806-12NJ	12.3±5%	90	400	8.00	4.80	2.90
FASCRQ0806-16NJ	15.7±5%	90	400	9.00	4.40	2.90
FASCRQ0806-19NJ	19.4±5%	90	400	10.0	4.00	2.90

TECHNICAL INFORMATION:

ELECTRICAL SCHEMATIC AND PAD LAYOUT:



DIMENSIONS:MM

Part number	A	B	C	D	a	b	c
	±0.152	±0.152	±0.152	REF	REF	REF	REF
FASCRQ0806-5N5J	1.346	1.829	1.397	0.962	2.600	0.510	0.452
FASCRQ0806-6N0J	1.295	1.829	1.397	0.990	2.600	0.510	0.480
FASCRQ0806-8N9J	1.626	1.829	1.397	1.270	2.600	0.510	0.760
FASCRQ0806-12NJ	1.930	1.829	1.397	1.630	2.600	0.510	1.120
FASCRQ0806-16NJ	2.286	1.829	1.397	1.960	2.600	0.510	1.450
FASCRQ0806-19NJ	2.591	1.829	1.397	2.290	2.600	0.510	1.780

AIR CPRE COIL FASCRQ0807 SERIES



FEATURES :

Air core inductors feature high Q and high current handling
Low loss
Low DCR

APPLICATIONS:

Base Station
LNA
LNB
Satellite

GENERAL SPECIFICATIONS:

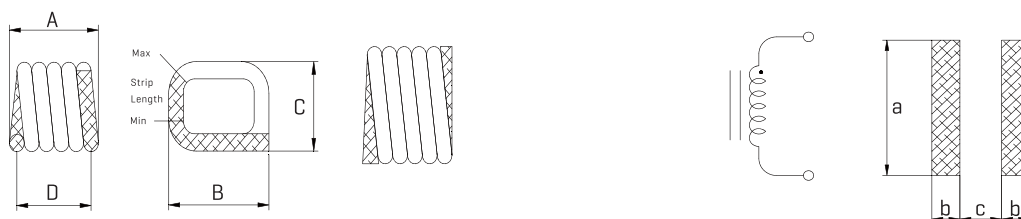
Rated current:2.9A
Parameters Test Temp:25°C
Test Frequency:100MHz
Operating temperature:-40°C to +125°C
Storage Temp:-0°C to +40°C
Resistance to Soldering Heat:260°C for 10 sec
Temperature Rise:40°C Typ. at Rated Current
All parts meet ROHS compliance

ELECTRICAL CHARACTERISTICS

Part Number	Inductance [nH]	Q [Min]	Test Freq [MHz]	D.C.R [mohm] Max at 25°C	SRF [GHz] Min	Rated current [A]Max
FASCRQ0807-6N9K	6.9±10%	100	400	6.00	4.60	2.70
FASCRQ0807-10NJ	10.2±5%	100	400	7.00	4.00	2.70
FASCRQ0807-11NJ	11.2±5%	90	400	6.30	3.60	2.70
FASCRQ0807-14NJ	13.7±5%	100	400	8.00	4.30	2.70
FASCRQ0807-17NJ	17.0±5%	100	400	9.00	4.00	2.70
FASCRQ0807-22NJ	22.0±5%	100	400	10.0	3.50	2.70

TECHNICAL INFORMATION:

ELECTRICAL SCHEMATIC AND PAD LAYOUT:



DIMENSIONS:MM

Part number	A	B	C	D	a	b	c
	±0.152	±0.254	±0.254	REF	REF	REF	REF
FASCRQ0807-6N9K	1.295	1.834	1.524	1.020	2.600	0.510	0.510
FASCRQ0807-10NJ	1.626	1.834	1.524	1.320	2.600	0.510	0.810
FASCRQ0807-11NJ	1.549	1.834	1.524	1.240	2.600	0.510	0.730
FASCRQ0807-14NJ	1.930	1.834	1.524	1.570	2.600	0.510	1.060
FASCRQ0807-17NJ	2.286	1.834	1.524	1.930	2.600	0.510	1.420
FASCRQ0807-22NJ	2.591	1.834	1.524	2.290	2.600	0.510	1.780

AIR CPRE COIL FASCRQ0908 SERIES



FEATURES :

Air core inductors feature high Q and high current handling
Low loss
Low DCR

APPLICATIONS:

Base Station
LNA
LNB
Satellite

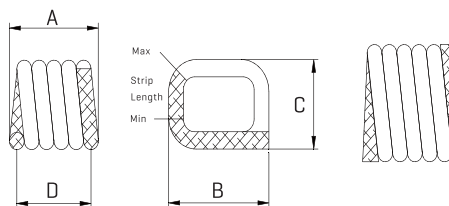
GENERAL SPECIFICATIONS:

Rated current:4.4A
Parameters Test Temp:25°C
Test Frequency:100MHz
Operating temperature:-40°C to +125°C
Storage Temp:-0°C to +40°C
Resistance to Soldering Heat:260°C for 10 sec
Temperature Rise:40°C Typ. at Rated Current
All parts meet ROHS compliance

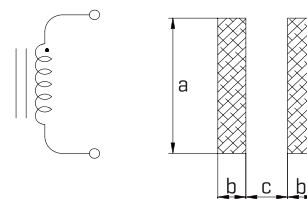
ELECTRICAL CHARACTERISTICS

Part Number	Inductance [nH]	Q [Min]	Test Freq [MHz]	D.C.R [mohm]Max at 25°C	SRF [GHZ] Min	Rated current [A]Max
FASCRQ0908-8N1J	8.1±5%	130	400	6.00	5.20	4.40
FASCRQ0908-12NJ	12.1±5%	130	400	7.00	4.30	4.40
FASCRQ0908-14NJ	14.7±5%	90	400	7.20	3.00	4.40
FASCRQ0908-17NJ	16.6±5%	130	400	8.00	3.40	4.40
FASCRQ0908-22NJ	21.5±5%	130	400	9.00	3.70	4.40
FASCRQ0908-23NJ	23.0±5%	120	400	10.0	2.60	4.40
FASCRQ0908-25NJ	25.0±5%	130	400	10.0	2.50	4.40
FASCRQ0908-27NJ	27.3±5%	130	400	10.0	3.20	4.40

TECHNICAL INFORMATION:



ELECTRICAL SCHEMATIC AND PAD LAYOUT:



DIMENSIONS:MM

Part number	A	B	C	D	a	b	c
	±0.152	±0.152	±0.152	REF	REF	REF	REF
FASCRQ0908-8N1J	1.473	2.134	1.829	1.120	2.800	0.640	0.480
FASCRQ0908-12NJ	1.854	2.134	1.829	1.450	2.800	0.640	0.810
FASCRQ0908-14NJ	1.549	2.134	1.829	1.240	2.800	0.640	0.600
FASCRQ0908-17NJ	2.210	2.134	1.829	1.830	2.800	0.640	1.190
FASCRQ0908-22NJ	2.565	2.134	1.829	2.180	2.800	0.640	1.540
FASCRQ0908-23NJ	2.235	2.134	1.829	1.900	2.800	0.640	1.260
FASCRQ0908-25NJ	2.972	2.134	1.829	2.570	2.800	0.640	1.930
FASCRQ0908-27NJ	2.972	2.134	1.829	2.570	2.800	0.640	1.930