

# SURFACE-MOUNT POWER WOUND CHIP INDUCTORS FASPI-0603 SERIES



## FEATURES:

Current up to 1.34A  
High Frequency design  
Heat Resistant Molded Resin  
Excellent Mechanical Strength  
Excellent Solderability  
Low Profile, Low cost  
Low DCR

## OPTIONS:

Tape & Reel is Standard  
[Qty:2000pcs]  
Bulk packaging Available  
for Smaller Quantities  
Tolerance: K=10%,M=20% is  
Standard, Tighter Tolerances Available

## COMMON APPLICATIONS:

Power supply for VTRs  
OA equipment  
LCD televisions  
Notebook Pcs  
Portable communication equipment  
DC/DC converters, etc

## ELECTRICAL CHARACTERISTICS:

Part Number	L [μH]	Tol %	Q Min	DCR ohm Max	IDC Max A	Test Freq kHz
FASPI-0603T-1R0K	1.0	±10	35	0.072	1.34	100
FASPI-0603T-1R5K	1.5	±10	35	0.084	1.22	100
FASPI-0603T-2R2K	2.2	±10	35	0.108	1.08	100
FASPI-0603T-3R3K	3.3	±10	35	0.134	0.97	100
FASPI-0603T-4R7K	4.7	±10	40	0.160	0.91	100
FASPI-0603T-6R8K	6.8	±10	40	0.197	0.79	100
FASPI-0603T-100K	10.0	±10	40	0.330	0.63	100
FASPI-0603T-120K	12.0	±10	40	0.350	0.59	100
FASPI-0603T-150K	15.0	±10	40	0.400	0.56	100
FASPI-0603T-180K	18.0	±10	40	0.450	0.51	100
FASPI-0603T-220K	22.0	±10	40	0.534	0.47	100
FASPI-0603T-270K	27.0	±10	40	0.618	0.43	100
FASPI-0603T-330K	33.0	±10	50	0.903	0.37	100
FASPI-0603T-390K	39.0	±10	50	1.010	0.4	100
FASPI-0603T-470K	47.0	±10	50	1.355	0.29	100
FASPI-0603T-560K	56.0	±10	50	1.515	0.28	100
FASPI-0603T-680K	68.0	±10	50	1.713	0.26	100
FASPI-0603T-820K	82.0	±10	50	2.312	0.22	100
FASPI-0603T-101K	100.0	±10	50	2.640	0.21	100
FASPI-0603T-121K	120.0	±10	50	3.502	0.19	100
FASPI-0603T-151K	150.0	±10	50	4.132	0.17	100
FASPI-0603T-181K	180.0	±10	50	4.534	0.16	100
FASPI-0603T-221K	220.0	±10	50	6.646	0.13	100
FASPI-0603T-271K	270.0	±10	50	7.523	0.12	100
FASPI-0603S-101M	100	±20	30	0.65	32.0mA	100
FASPI-0603S-151M	150	±20	35	0.80	28.0mA	100
FASPI-0603S-221M	220	±20	35	1.10	22.0mA	100
FASPI-0603S-331M	330	±20	35	1.30	16.0mA	100
FASPI-0603S-471M	470	±20	35	1.90	14.0mA	100
FASPI-0603S-681M	680	±20	35	2.50	11.0mA	100
FASPI-0603S-102M	1000	±20	35	3.10	9.0mA	100
FASPI-0603S-152M	1500	±20	35	5.30	8.0mA	100
FASPI-0603S-222M	2200	±20	35	8.40	7.0mA	100
FASPI-0603S-332M	3300	±20	35	10.10	5.0mA	100
FASPI-0603S-472M	4700	±20	35	13.0	4.0mA	100

Note:1. K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION:

- Testing: [Equivalent acceptable]
  - Inductance:HP4284A
  - RDC:QuadTech 1880
  - Milliohmmeter -Q- HP4342A - SRF-HP4191A
  - IDC Max:Determined when superimposed
  - DC current is decreased 10% against its initial value
  - Operating temperature: -40°C to +105°C
  - Storage Temperature: -40°C to +105°C
  - Solder methods: Vapor Phase, Infrared Reflow
  - Resistance to soldering heat:260°C for 10 seconds
  - Solvent resistance: Conforms to MIL-STD-202E
  - Marking: Inductance & Tolerance
- Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS:

