

HIGH CURRENT SURFACE-MOUNT POWER SHIELDED INDUCTORS FASDRS0603,0704,1005,1205 SERIES



FEATURES:

Current up to 2.6A
Very Small Foot Print
Flat-top for Pick & Place
Shielded structure

OPTIONS:

Tape & Reel is Standard
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

STANDARD SPECIFICATION:

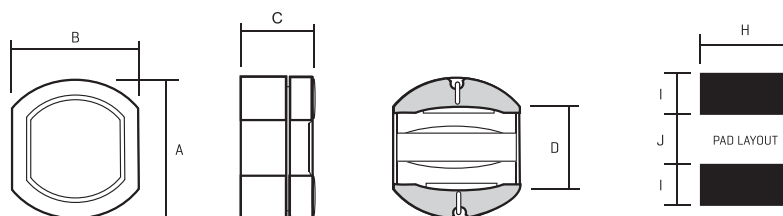
Part Number	L[μH]	DCR(ohm)Max.				IDC[A]			
		FASDRS 0603	FASDRS 0704	FASDRS 1005	FASDRS 1205	FASDRS 0603	FASDRS 0704	FASDRS 1005	FASDRS 1205
100M	10	0.14	0.07	0.06	0.05	1.00	1.65	2.06	2.65
120M	12	0.16	0.07	0.07	0.05	0.94	1.57	1.94	2.50
150M	15	0.18	0.08	0.07	0.06	0.86	1.39	1.72	2.45
180M	18	0.25	0.10	0.08	0.06	0.78	1.9	1.58	2.40
220M	22	0.32	0.13	0.08	0.07	0.76	1.12	1.42	2.20
270M	27	0.36	0.16	0.10	0.08	0.64	1.06	1.32	2.00
330M	33	0.41	0.18	0.11	0.10	0.61	0.97	1.16	1.80
390M	39	0.47	0.18	0.12	0.11	0.53	0.91	1.10	1.65
470M	47	0.51	0.27	0.14	0.12	0.50	0.80	1.00	1.50
560M	56	0.72	0.29	0.19	0.15	0.46	0.76	0.93	1.38
680M	68	0.82	0.33	0.21	0.17	0.42	0.68	0.85	1.26
820M	82	0.82	0.43	0.28	0.20	0.42	0.62	0.79	1.14
101M	100	0.82	0.49	0.34	0.25	0.42	0.55	0.72	1.05
121M	120	0.82	0.68	0.37	0.28	0.42	0.49	0.63	0.95
151M	150	0.82	0.94	0.51	0.40	0.42	0.44	0.55	0.85
181M	180	0.82	1.00	0.57	0.48	0.42	0.40	0.50	0.77
221M	220	0.82	1.18	0.78	0.52	0.42	0.36	0.47	0.70
271M	270	0.82	1.30	0.87	0.70	0.42	0.33	0.41	0.63
331M	330	0.82	1.30	1.20	0.80	0.42	0.33	0.37	0.57
391M	390	0.82	1.30	1.34	1.08	0.42	0.33	0.5	0.52
471M	470	0.82	1.30	1.50	1.20	0.42	0.33	0.33	0.48
561M	560	0.82	1.30	1.50	1.34	0.42	0.33	0.33	0.44
681M	680	0.82	1.30	1.50	1.78	0.42	0.33	0.33	0.40
821M	820	0.82	1.30	1.50	2.00	0.42	0.33	0.33	0.36

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Testing: [Equivalent acceptable]
 - Inductance:HP4285A
 - RDC:QuadTech 1880 Milliohm meter
 - Q- HP4342A-SRF-HP4191A
 - IDC Max:Determined when superimposed
 - DC current is decreased 10% against its initial value
 - Operating temperature: -40°C to +85°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
 - Ordering information:
 - Type:Surface Mounting Type.
 - Style:DR Core with RL core.
 - Anductance:101 for 100uH.
 - Anductance tolerance:M:±20%.
- Note:All specification subject to change without noticed.

PHYSICAL CHARACTERISTICS:



DIMENSIONS IN: mm

Part Number	A	B	C	D	H	I	J
FASDRS-0603	6.2±0.3	5.6±0.3	3.2±0.3	1.7	5.5	2.25	1.7
FASDRS-0704	7.8±0.35	7.0±0.35	4.5±0.4	1.9	7.5	4.0	2.0
FASDRS-1005	10.0±0.4	9.0±0.4	5.0±0.5	2.5	9.5	5.0	2.5
FASDRS-1205	12.6±0.5	11.6±0.5	5.4±0.5	3.0	12.0	6.0	3.0