

SHIELDED SURFACE-MOUNT POWER INDUCTORS FASPI-S SERIES 0402,0802,0804,1306



FEATURES:

Current up to 8
Very Small Foot Print
Flat-top for Pick & Place

OPTIONS:

Tape & Reel is Standard
Bulk Packaging Available
for Smaller Quantities
Tolerance:10% and 20%
is Standard
Custom Design Available

COMMON APPLICATIONS:

Ideal for Palm-Top and Lapto
DC-DC Converters
PDA's Flash Memory
Step-up, Step-down Converter

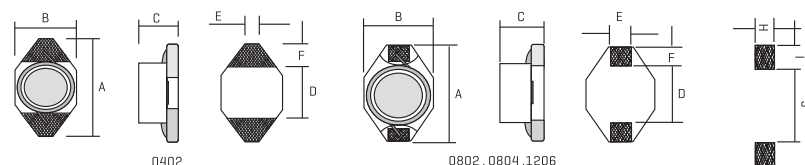
ELECTRICAL CHARACTERISTICS

Part Number	L[μH] ±20%	DCR[Ω]				IDC[A]			
		FASPI 0402S	FASPI 0802S	FASPI 0804S	FASPI 1306S	FASPI 0402S	FASPI 0802S	FASPI 0804S	FASPI 1306S
1R0	1.0	0.040		0.021		3.0		5.0	
1R5	1.5	0.045	0.038	0.022		2.8	4.00	4.5	
2R2	2.2	0.050	0.045	0.032		1.8	3.50	3.8	
3R3	3.3	0.055	0.062	0.039		1.6	3.00	3.3	
4R7	4.7	0.060	0.78	0.054		1.4	2.50	2.7	
6R8	6.8	0.065	0.10	0.075		1.2	2.20	2.2	
100	10	0.075	0.145	0.101	0.040	1.0	2.00	2.0	3.9
150	15	0.090	0.20	0.150	0.048	0.80	1.50	1.5	3.4
220	22	0.11	0.30	0.207	0.059	0.70	1.30	1.3	3.1
330	33	0.19	0.45	0.334	0.075	0.60	1.10	1.1	2.8
470	47	0.23	0.65	0.472	0.097	0.50	0.80	0.80	2.4
680	68	0.29	0.80		0.138	0.40	0.70		2.0
101	100	0.48	1.40		0.207	0.30	0.60		1.7
151	150	0.59	1.80		0.293	0.26	0.50		1.3
221	220	0.90	2.20		0.470	0.22	0.40		1.1
331	330	1.40	3.60		0.780	0.20	0.30		0.86
471	470	1.80	5.10		1.08	0.19	0.20		0.73
681	680	2.20			1.40	0.18			0.64
102	100	3.40			2.01	0.15			0.53
152	1500	4.20				0.12			
222	2200	8.50				0.10			
332	3300	11.0				0.08			
472	4700	13.9				0.06			
682	6800	25.0				0.04			
103	10000	32.8				0.02			

TECHNICAL INFORMATION:

Testing: [Equivalent acceptable]
Inductance: HP4285A
RDC: QuadTech 1880 Milliohmometer
-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
Note: All specification subject to change without noticed.

PHYSICAL CHARACTERISTICS



DIMENSION:[mm]

Part number	A	B	C	D	E	F	H	I	J
FASPI-0402S	6.60	4.45	2.92	4.32	1.27	1.02	3.56	1.4	4.06
FASPI-0802S	12.7	10.1	2.70	7.6	2.2	2.4	2.8	3.0	7.3
FASPI-0804S	12.95	9.40	5.08	7.62	2.54	2.54	2.79	2.92	7.37
FASPI-1306S	18.54	15.24	7.62	12.70	2.54	2.54	2.79	2.92	12.45