

# SHIELDED SURFACE-MOUNT POWER INDUCTORS FASPI-T 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

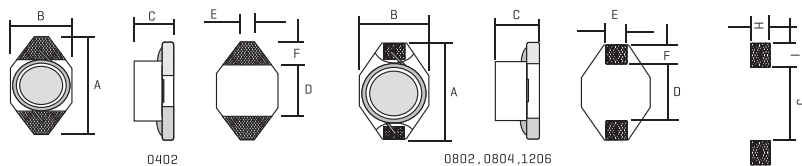
## ELECTRICAL CHARACTERISTICS

Part Number	L[μH] ±20%	DCR[Ω]				IDC[A]M			
		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 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  
Note: All specifications subject to change without notice.

## 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