

SURFACE MOUNT SHIELDED POWER INDUCTORS

ASPI-0403S SERIES

RoHS
Compliant



FEATURES:

- Very small foot print
- Flat-top for pick & place

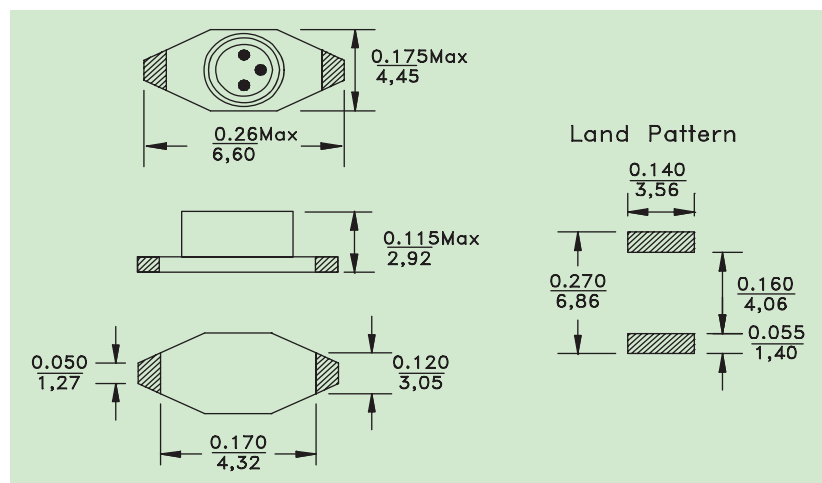
APPLICATIONS:

- DC/DC converter
- PDA's flash Memory
- Step-up, Step-down converters

ELECTRICAL SPECIFICATIONS:

PART NO ASPI-0403S-	Lp±20% (μH)	DCR (Ω) Max	I _{RMS} (A) Max	SRF MHz Typ
1R0M	1.0	0.040	3.0	250
1R5M	1.5	0.045	2.8	125
2R2M	2.2	0.050	1.8	120
3R3M	3.3	0.055	1.6	120
4R7M	4.7	0.060	1.4	105
5R6M	5.6	0.063	1.3	65
6R8M	6.8	0.065	1.2	50
100M	10	0.075	1.0	38
150M	15	0.090	0.8	33
220M	22	0.11	0.7	25
330M	33	0.19	0.6	20
470M	47	0.23	0.5	20
680M	68	0.29	0.4	15
101M	100	0.48	0.3	10
151M	150	0.59	0.26	9
221M	220	0.77	0.22	6
331M	330	1.40	0.20	5
471M	470	1.80	0.19	4
681M	680	2.20	0.18	3
102M	1000	3.40	0.15	2
152M	1500	4.20	0.12	2
222M	2200	8.50	0.10	2
332M	3300	11.0	0.08	1
472M	4700	13.9	0.06	1
682M	6800	25.0	0.04	1
822M	8200	27.0	0.03	0.9
103M	10000	32.8	0.02	0.8

OUTLINE DRAWING:



TECHNICAL INFORMATION:

- Operating temperature: **-40°C to +85°C**
- Test Conditions: **100KHz, 0.1V_{RMS}**
- Marking: **EIA color code or value**
- Lp tolerance: **M = ±20%**
- ΔT **30°C** temperature rise max at I_{RMS}
- Insulation core to winding: **10MΩ min**
- Add: **-T** for Tape and Reel, 2000 pcs per reel

Note: All specifications subject to change without notice.

