

SMD POWER INDUCTOR

ASPI-0703



RoHS
Compliant



7.8 x 7.0 x 3.5mm

FEATURES:

- High saturation for surface mount
- High current rating for high current circuits
- Special lead wire design to prevent open circuit failure
- Excellent terminal strength construction

APPLICATIONS:

- OA equipments
- PC and notebook
- LCD TV set
- Power supply

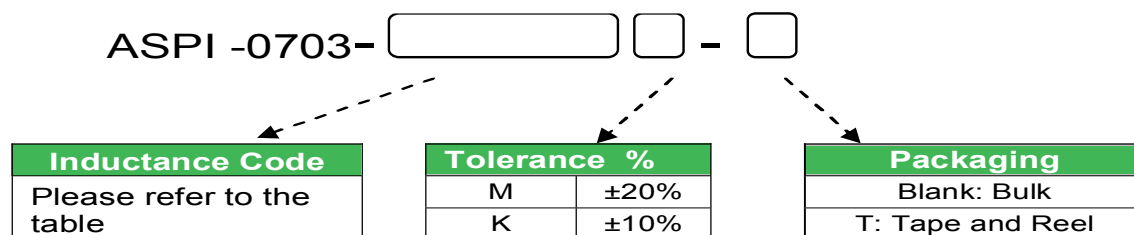
ELECTRICAL SPECIFICATIONS:

Abracon P/N:	ASPI-0703 Series
Operating Temperature:	-40°C to +85°C
Storage Temperature:	-40°C to +85°C

Part#	Inductance (μ H)	Test Frequency	Tolerance %	RDC (Ω)	IDC (A)
ASPI-0703-R60	0.6	2.52 MHz	M	0.008	6.00
ASPI-0703-100	10	2.52 MHz	M,K	0.081	1.44
ASPI-0703-120	12	2.52 MHz	M,K	0.090	1.39
ASPI-0703-150	15	2.52 MHz	M,K	0.104	1.24
ASPI-0703-180	18	2.52 MHz	M,K	0.111	1.12
ASPI-0703-220	22	2.52 MHz	M,K	0.129	1.07
ASPI-0703-270	27	2.52 MHz	M,K	0.153	0.94
ASPI-0703-330	33	2.52 MHz	M,K	0.170	0.85
ASPI-0703-390	39	2.52 MHz	M,K	0.217	0.74
ASPI-0703-470	47	2.52 MHz	M,K	0.252	0.68
ASPI-0703-560	56	2.52 MHz	M,K	0.282	0.64
ASPI-0703-680	68	2.52 MHz	M,K	0.332	0.59
ASPI-0703-820	82	2.52 MHz	M,K	0.406	0.54
ASPI-0703-101	100	1 kHz	M,K	0.481	0.51
ASPI-0703-121	120	1 kHz	M,K	0.536	0.49
ASPI-0703-151	150	1 kHz	M,K	0.755	0.40
ASPI-0703-181	180	1 kHz	M,K	1.022	0.36
ASPI-0703-221	220	1 kHz	M,K	1.200	0.31
ASPI-0703-271	270	1 kHz	M,K	1.306	0.29
ASPI-0703-331	330	1 kHz	M,K	1.495	0.28
ASPI-0703-391	390	1 kHz	M,K	1.770	0.28
ASPI-0703-471	470	1 kHz	M,K	1.960	0.28
ASPI-0703-561	560	1 kHz	M,K	2.700	0.27
ASPI-0703-681	680	1 kHz	K	2.7000	0.13

Note: Tolerance: M = $\pm 20\%$, K = $\pm 10\%$

OPTIONS AND PART IDENTIFICATION



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ASPI-0703

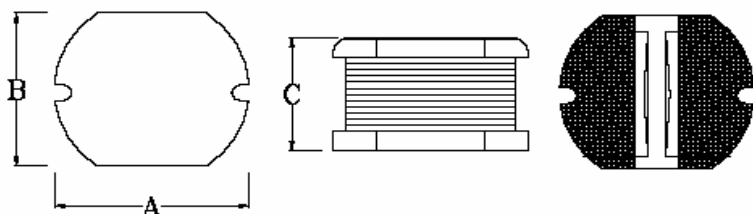


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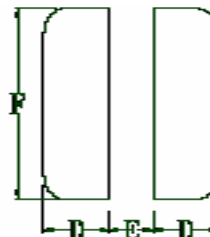
7.8 x 7.0 x 3.5mm

OUTLINE DRAWING:



Part#	A	B	C
ASPI-0703-xxx	0.307±0.012 (7.8±0.3)	0.275±0.012 (7.0±0.3)	0.137±0.012 (3.5±0.3)

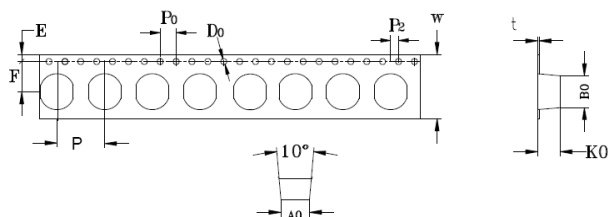
Recommended Land Pattern



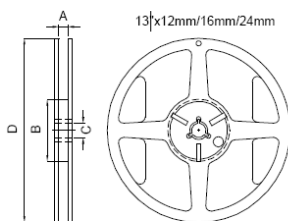
Part#	D	E	F
ASPI-0703-xxx	0.118 ref. (3.0 ref.)	0.078 ref. (2.0 ref.)	0.295 ref. (7.5 ref.)

Dimension : Inches (mm)

TAPE & REEL:



Part#	A0	B0	F	E	W	P	Po	P2	t
ASPI-0703-xxx	7.2±0.1	7.85±0.1	7.5±0.1	1.75±0.1	16±0.3	12±0.1	4±0.1	4±0.1	0.35±0.05



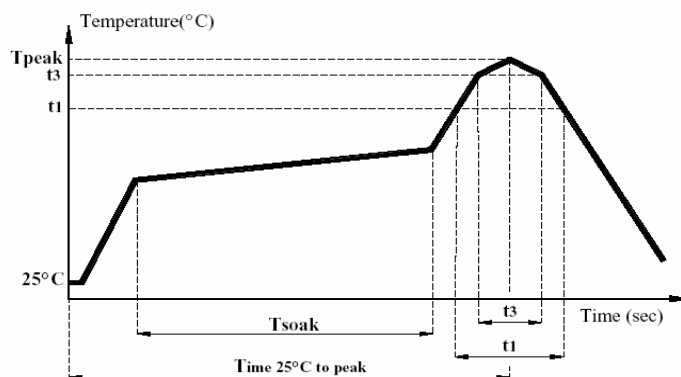
REEL DIMENSION

Part#	A	B	C	D
ASPI-0703-xxx	16.5±0.2	100±0.5	13.2±0.3	330±1.0

Dimension : mm

REFLOW PROFILE:

Reflow soldering temperature profile



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