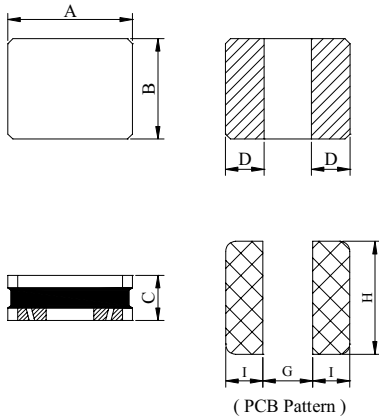




Shielded SMD Power Inductors - DSLH Series

<https://www.atctech.com.tw>

Configuration and Dimensions :



Features :

- RoHS, Halogen free and REACH Compliance
- Shielded with magnetic resin
- Low RDC and high rated current
- Low profile, miniature package size and wide inductance range

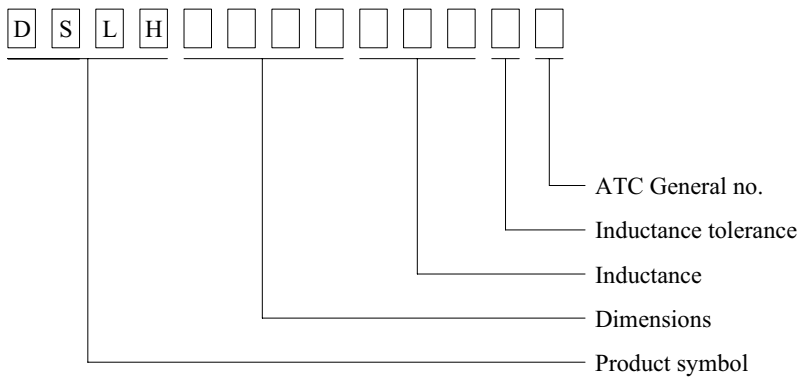
Applications :

- DSC
- Smart phone
- DC/DC converters
- Tablet PC and other portable devices

Dimensions in mm

TYPE	A	B	C max.	D	G	H	I
2A10	2.00±0.25	1.60±0.25	1.02	0.60	0.80	1.80	0.80
2510	2.50±0.25	2.00±0.25	1.02	0.80	0.80	2.20	0.85
2512	2.50±0.25	2.00±0.25	1.20±0.05	0.80	0.80	2.20	0.85

DWG Expression :





Shielded SMD Power Inductors - DSLH Series

Electrical Characteristics :● **DSLH2A10** (Quantity = 2000pcs/reel)

DWG No.	Inductance (uH)	L Freq. (Hz)	RDC (Ω)±30%	Isat(A)		Irms(A)		Tol.
				typ.	max.	typ.	max.	
DSLH2A10-R24□N	0.240	1M	0.048	3.700	3.300	2.500	2.100	M,T
DSLH2A10-R33□N	0.330	1M	0.048	3.400	3.000	2.500	2.100	M,T
DSLH2A10-R47□N	0.470	1M	0.072	2.900	2.600	2.100	1.800	M,T
DSLH2A10-R56□N	0.560	1M	0.072	2.700	2.400	2.100	1.800	M,T
DSLH2A10-R68□N	0.680	1M	0.092	2.500	2.200	1.800	1.500	M,T
DSLH2A10-1R0□N	1.000	1M	0.110	2.200	2.000	1.500	1.200	M,T
DSLH2A10-2R2□N	2.200	1M	0.205	1.400	1.200	1.150	0.970	M,T
DSLH2A10-4R7□N	4.700	1M	0.520	0.900	0.800	0.800	0.680	M,T
DSLH2A10-100□N	10.00	1M	1.100	0.620	0.550	0.450	0.380	M,T

● **DSLH2510** (Quantity = 2000pcs/reel)

DWG No.	Inductance (uH)	L Freq. (Hz)	RDC (Ω)±30%	Isat(A)		Irms(A)		Tol.
				typ.	max.	typ.	max.	
DSLH2510-R24□N	0.240	1M	0.030	4.700	4.200	3.600	3.000	M,T
DSLH2510-R47□N	0.470	1M	0.043	3.300	3.000	2.700	2.300	M,T
DSLH2510-R68□N	0.680	1M	0.062	2.800	2.500	2.300	1.900	M,T
DSLH2510-1R0□N	1.000	1M	0.080	2.300	2.100	1.900	1.600	M,T
DSLH2510-2R2□N	2.200	1M	0.135	1.600	1.400	1.400	1.100	M,T
DSLH2510-4R7□N	4.700	1M	0.330	1.000	0.900	0.850	0.720	M,T
DSLH2510-100□N	10.00	1M	0.670	0.720	0.640	0.580	0.490	M,T

● **DSLH2512** (Quantity = 2000pcs/reel)

DWG No.	Inductance (uH)	L Freq. (Hz)	RDC (Ω)±30%	Isat(A)		Irms(A)		Tol.
				typ.	max.	typ.	max.	
DSLH2512-R47□N	0.470	1M	0.031	4.100	3.700	3.100	2.600	M,T
DSLH2512-R68□N	0.680	1M	0.031	3.100	2.900	3.100	2.600	M,T
DSLH2512-1R0□N	1.000	1M	0.049	3.200	3.000	3.000	2.500	M,T
DSLH2512-1R5□N	1.500	1M	0.088	2.300	2.100	2.200	1.800	M,T
DSLH2512-2R2□N	2.200	1M	0.099	2.200	2.000	2.000	1.700	M,T
DSLH2512-3R3□N	3.300	1M	0.190	1.400	1.200	1.200	1.000	M,T
DSLH2512-4R7□N	4.700	1M	0.235	1.300	1.100	1.100	0.930	M,T
DSLH2512-100□N	10.00	1M	0.510	0.920	0.820	0.800	0.680	M,T

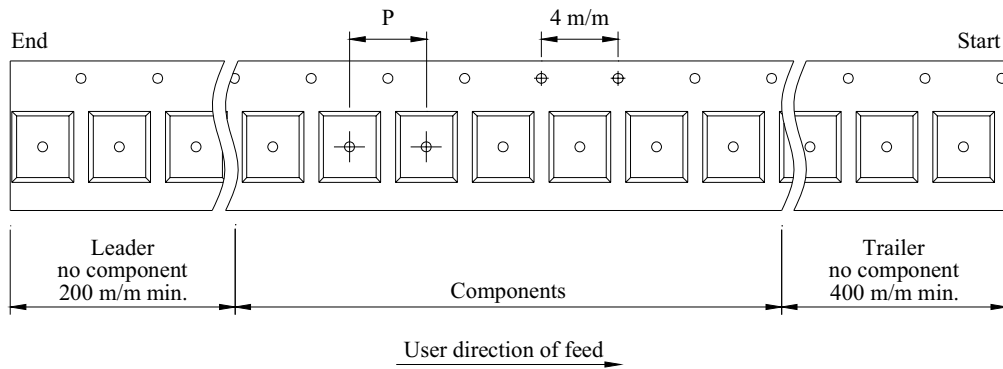
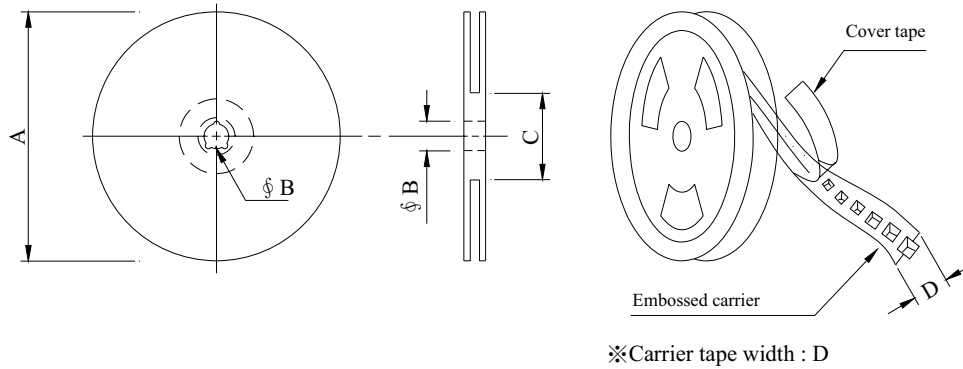
● Note :

1. □-Tolerance : M=±20% / T=±30%
2. Isat for inductance drop 30% from its value with current
3. Irms for a 40°C temperature rise from 25°C ambient with current
4. Operating Temperature : -55°C ~ +125°C (Including self-temperature rise)
5. Storage Temperature : Under 40°C, Humidity < 75%



Shielded SMD Power Inductors - DSLH Series

Packaging Information :



TYPE	A	B	C	D	P	Reel Q'ty
2A10	178mm	13mm	60mm	8mm	4mm	2000pcs
2510	178mm	13mm	60mm	8mm	4mm	2000pcs
2512	178mm	13mm	60mm	8mm	4mm	2000pcs