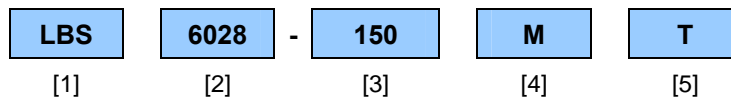


FEATURES
LBS Series

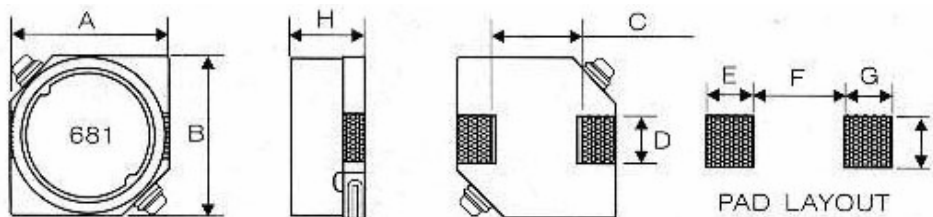
- Low Profile
- High power , High saturation
- Magnetically shield
- Applied to DC/DC Converter , Portable Communication Equipment and Notebook Computer


ORDERING CODE


- [1] **Product Type:** LBS
 [2] **Size Code:** 6028 , 7028 , 7030 , 7045 , 10145
 [3] **Inductance:** Example: 1R5 = 1.5uH ; 150 = 15uH ; 151 = 150uH
 [4] **Tolerance:** J±5% ; K±10% ; L±15% ; M±20%
 [5] **Packing:** T-Tape & Reel

DIMENSIONS

Unit: mm

PBO Series


Size	A	B	H	C	D	E	F	G	I
LBS6028	6.0±0.2	6.0±0.2	2.8±0.2	4.0TYP	2.0TYP	1.5	4.0	1.5	2.2
LBS7028	7.0±0.2	7.0±0.2	2.8±0.2	4.0TYP	2.0TYP	1.5	4.9	1.5	2.2
LBS7030	7.0±0.2	7.0±0.2	3.0±0.2	4.0TYP	2.0TYP	1.5	4.9	1.5	2.2
LBS7045	7.0±0.2	7.0±0.2	4.5±0.3	4.0TYP	2.0TYP	1.5	4.9	1.5	2.2
LBS10145	10.1±0.3	10.1±0.3	4.5±0.3	6.0TYP	3.0TYP	2.5	5.6	2.5	3.2

ELECTRICAL CHARACTERISTICS
LBS Series Type 6028

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(Ω)Max.	Isat(A)	Irms(A)
LBS6028-4R7MT	4.7	±20%	1KHz	0.0284	1.60	2.50
LBS6028-6R8MT	6.8	±20%	1KHz	0.0354	1.50	2.20
LBS6028-100MT	10	±20%	1KHz	0.0532	1.30	1.80
LBS6028-150MT	15	±20%	1KHz	0.0745	1.00	1.40
LBS6028-220MT	22	±20%	1KHz	0.1040	0.77	1.30
LBS6028-330MT	33	±20%	1KHz	0.1480	0.69	1.10
LBS6028-470MT	47	±20%	1KHz	0.2100	0.59	0.92
LBS6028-680MT	68	±20%	1KHz	0.2900	0.50	0.78
LBS6028-101MT	100	±20%	1KHz	0.4300	0.42	0.64

Isat: Inductance drop 30% typ. at rated Isat.

 Irms: $\Delta T=25^{\circ}\text{C}$ rise typ. at Irms

LBS Series Type 7028

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(Ω)Max.	IDC(A)
LBS7028-3R3MT	3.3	±20%	1KHz	0.037	1.60
LBS7028-4R7MT	4.7	±20%	1KHz	0.045	1.50
LBS7028-6R8MT	6.8	±20%	1KHz	0.059	1.30
LBS7028-100MT	10	±20%	1KHz	0.083	1.10
LBS7028-150MT	15	±20%	1KHz	0.130	0.88
LBS7028-220MT	22	±20%	1KHz	0.180	0.75
LBS7028-330MT	33	±20%	1KHz	0.240	0.65
LBS7028-470MT	47	±20%	1KHz	0.340	0.54

LBS Series Type 7030

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(Ω)Max.	IDC(A)
LBS7030-3R3MT	3.3	±20%	1KHz	0.023	1.80
LBS7030-4R7MT	4.7	±20%	1KHz	0.036	1.60
LBS7030-6R8MT	6.8	±20%	1KHz	0.041	1.50
LBS7030-100MT	10	±20%	1KHz	0.053	1.30
LBS7030-150MT	15	±20%	1KHz	0.084	1.00
LBS7030-220MT	22	±20%	1KHz	0.110	0.86
LBS7030-330MT	33	±20%	1KHz	0.160	0.65
LBS7030-470MT	47	±20%	1KHz	0.240	0.57
LBS7030-680MT	68	±20%	1KHz	0.310	0.49
LBS7030-101MT	100	±20%	1KHz	0.450	0.35

ELECTRICAL CHARACTERISTICS
LBS Series Type 7045

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(Ω)Max.	Isat(A)	Irms(A)
LBS7045-3R3MT	3.3	±20%	1KHz	0.020	2.50	2.30
LBS7045-4R7MT	4.7	±20%	1KHz	0.030	2.00	2.10
LBS7045-6R8MT	6.8	±20%	1KHz	0.039	1.70	1.74
LBS7045-100MT	10	±20%	1KHz	0.036	1.30	1.78
LBS7045-150MT	15	±20%	1KHz	0.052	1.10	1.53
LBS7045-220MT	22	±20%	1KHz	0.061	0.90	1.34
LBS7045-330MT	33	±20%	1KHz	0.096	0.82	1.09
LBS7045-470MT	47	±20%	1KHz	0.125	0.75	0.92
LBS7045-680MT	68	±20%	1KHz	0.175	0.60	0.77
LBS7045-101MT	100	±20%	1KHz	0.250	0.50	0.65
LBS7045-151MT	150	±20%	1KHz	0.340	0.40	0.55
LBS7045-221MT	220	±20%	1KHz	0.520	0.33	0.45
LBS7045-331MT	330	±20%	1KHz	0.740	0.25	0.37
LBS7045-471MT	470	±20%	1KHz	1.050	0.22	0.31
LBS7045-681MT	680	±20%	1KHz	1.480	0.20	0.27
LBS7045-102MT	1000	±20%	1KHz	2.280	0.14	0.25

LBS Series Type 10145

Skymos Part Number	L(uH)	Tolerance	Test Freq.	DCR(Ω)Max.	Isat(A)	Irms(A)
LBS10145-100MT	10	±20%	1KHz	0.0364	3.00	2.50
LBS10145-150MT	15	±20%	1KHz	0.0472	2.40	2.20
LBS10145-220MT	22	±20%	1KHz	0.0591	2.10	1.90
LBS10145-330MT	33	±20%	1KHz	0.0815	1.60	1.70
LBS10145-470MT	47	±20%	1KHz	0.1000	1.40	1.50
LBS10145-680MT	68	±20%	1KHz	0.1400	1.20	1.30
LBS10145-101MT	100	±20%	1KHz	0.2000	1.00	1.10
LBS10145-151MT	150	±20%	1KHz	0.3500	0.79	0.81
LBS10145-221MT	220	±20%	1KHz	0.4700	0.65	0.70
LBS10145-331MT	330	±20%	1KHz	0.6800	0.54	0.58
LBS10145-471MT	470	±20%	1KHz	1.0300	0.47	0.47
LBS10145-681MT	680	±20%	1KHz	1.6000	0.38	0.38
LBS10145-102MT	1000	±20%	1KHz	2.8000	0.32	0.29
LBS10145-152MT	1500	±20%	1KHz	3.4000	0.22	0.26

Isat: Inductance drop 10% typ. at rated Isat.

 Irms: $\Delta T=30^{\circ}\text{C}$ rise typ. at Irms