

## SMD POWER INDUCTORS

### Series DI - S *Shielded*

#### FEATURE

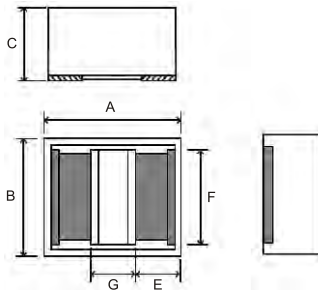
- ◆ Low DC Resistance, High Current capacity and high impedance characteristics.
- ◆ Excellent solder heat resistnace. Both flow and reflow soldering methods can employed.

#### PRODUCT IDENTIFICATION

DI   35   S   25   2   M   10U  
 a      b      c      d      e      f      g

- a : Type of Products - SMD Power Inductors DI series  
 b : Dimension(mm) - 35 : 3.5X3.5  
 c : Materials - S= DI with Shielded  
 d : Thickness(mm) - 16 = 1.6    25 = 2.4  
 e : Packing - PCS/REEL - 1 = 1000, R=750  
 f : Tolerance - K : ±10%    M : ±20%  
 g : Inductance - 100N = 0.1 μH, 10U = 10.0 μH, 1M2 = 1200 μH

#### SHAPES & DIMENSIONS



Dimensions in mm

Mark	DI35S25	DI35S16
A	3.5±0.3	3.5±0.3
B	3.5±0.3	3.5±0.3
C	2.4 max.	1.6±0.4
G	0.9 ref.	0.9 ref.
E	1.4 ref.	1.4 ref.
F	2.5 ref.	2.5 ref.

#### ELECTRICAL CHARACTERISTICS

Test Frequency 0.8 μH ~ 8.2 μH @ 100KHz / 0.25V      10 μH ~ 10000 μH @ 1KHz / 0.25V

Part Number	Inductance (μH)	RDC (Ω) max.	IDC (mA) max.	Part Number	Inductance (μH)	RDC (Ω) max.	IDC (mA) max.
DI35S251□1U	1	0.02	1000	DI35S16R□6U8	6.8	0.16	0.46
DI35S251□2U2	2.2	0.06	800	DI35S16R□8U2	8.2	0.19	0.35
DI35S251□4U7	4.7	0.11	600	DI35S16R□10U	10	0.2	0.23
DI35S251□6U8	6.8	0.13	500	DI35S16R□22U	22	0.42	0.18
DI35S251□8U2	8.2	0.14	400	DI35S16R□27U	27	0.53	0.15
DI35S251□10U	10	0.15	300	DI35S16R□33U	33	0.7	0.13
DI35S251□22U	22	0.32	180	DI35S16R□39U	39	0.77	0.12
DI35S251□33U	33	0.41	170	DI35S16R□47U	47	0.93	0.1
DI35S251□47U	47	0.64	150	DI35S16R□82U	82	1.7	0.85
DI35S251□100U	100	1.74	90	DI35S16R□100U	100	1.94	0.08
DI35S251□220U	220	4.51	80	DI35S16R□120U	120	2.31	0.076
DI35S251□330U	330	8.63	70	DI35S16R□150U	150	3.04	0.073
DI35S251□390U	390	9.11	60	DI35S16R□180U	180	3.86	0.071
DI35S251□470U	470	9.52	50	DI35S16R□220U	220	4.87	0.069
DI35S251□560U	560	10.14	50	DI35S16R□270U	270	6.56	0.066
DI35S251□680U	680	11.83	40	DI35S16R□330U	330	9.84	0.063
DI35S251□1M	1000	14.3	30	DI35S16R□390U	390	10.12	0.055
DI35S251□1M5	1500	29.9	25	DI35S16R□470U	470	10.56	0.047
DI35S251□2M	2000	33	22	DI35S16R□560U	560	11.83	0.043
DI35S251□2M2	2200	36.4	20	DI35S16R□680U	680	14.34	0.036
DI35S16R□1U	1	0.031	0.98	DI35S16R□820U	820	19.71	0.033
DI35S16R□1U5	1.5	0.04	0.92	DI35S16R□1M	1000	22.32	0.028
DI35S16R□1U8	1.8	0.045	0.88	DI35S16R□1M2	1200	24.8	0.026
DI35S16R□2U	2	0.05	0.81	DI35S16R□1M5	1500	31	0.024
DI35S16R□2U2	2.2	0.063	0.76	DI35S16R□1M8	1800	38.6	0.02
DI35S16R□3U	3	0.076	0.73	DI35S16R□2M2	2200	61.54	0.017
DI35S16R□3U3	3.3	0.084	0.66	DI35S16R□3M3	3300	100.42	0.015
DI35S16R□4U7	4.7	0.11	0.58	DI35S16R□4M7	4700	125	0.012
DI35S16R□5U6	5.6	0.14	0.54				

Operating temp : -25°C~ +105°C  
 Resistance to solder heat : 250°C/ 10 Sec.