



Shielded Molded Power Inductor

『DP2016-P Series Product Introduction』

ABC ATEC Electronics Group

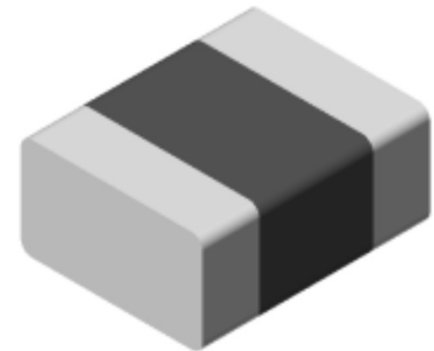
Shielded Molded Power Inductor DP2016 Series

Features

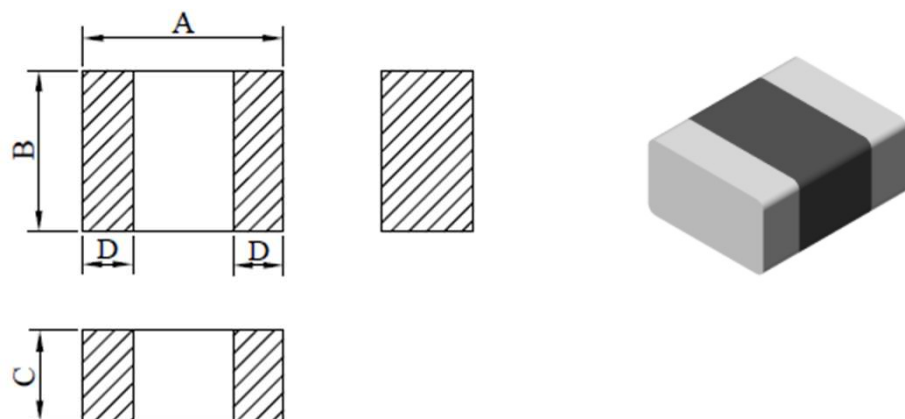
- Low Profile (0.8mm height only)
- Alloy powder provide high current and resistance to rusting
- Flat wire offer low DC resistance
- RoHS compliant and Halogen free

Applications

- Power supplies for mobile devices
- DC/DC-converter for high current power supplies



Product Specification

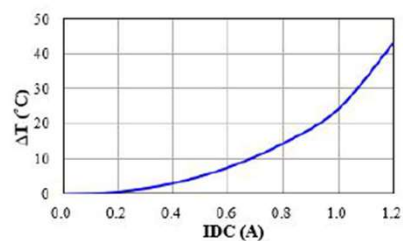
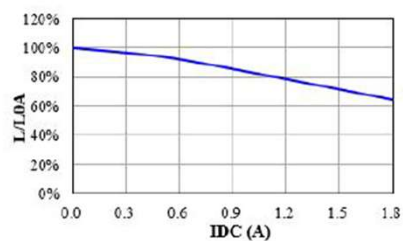


Unit : mm						
A	B	C	D	G	H	I
2.00 ±0.20	1.60 ±0.20	0.80 max.	0.50 ±0.30	0.90	1.60	0.55

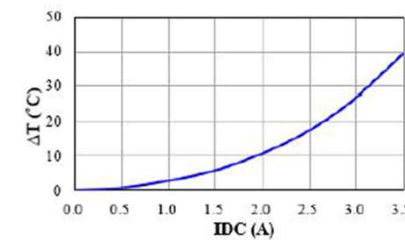
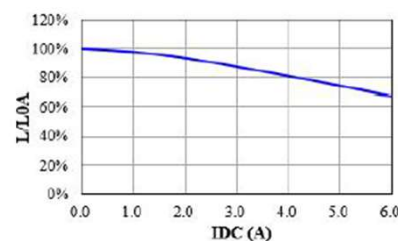
DWG. No.	Inductance (μ H)	RDC (m Ω) max.	Isat (A)		Irms (A)	
			typ.	max.	typ.	max.
DP2016R24MP□-□□□	0.24 ±20%	36.00	5.50	4.30	3.50	3.00
DP2016R33MP□-□□□	0.33 ±20%	41.00	5.10	4.20	3.30	2.80
DP2016R47MP□-□□□	0.47 ±20%	49.00	4.50	3.30	3.10	2.50
DP2016R68MP□-□□□	0.68 ±20%	61.00	4.10	3.00	2.80	2.10
DP20161R0MP□-□□□	1.00 ±20%	100.00	3.30	2.40	2.30	2.00
DP20161R5MP□-□□□	1.50 ±20%	157.00	2.30	1.70	1.70	1.40
DP20162R2MP□-□□□	2.20 ±20%	240.00	2.00	1.50	1.50	1.20
DP20164R7MP□-□□□	4.70 ±20%	468.00	1.60	1.20	1.10	1.00

- **Cross Reference: Murata DFE201612E**
- Operating temp. : -40°C----+125°C (Temp. rise included)
- Resistance to solder heat : 260°C.10 sec.

DP20164R7MP□



DP2016R24MP□



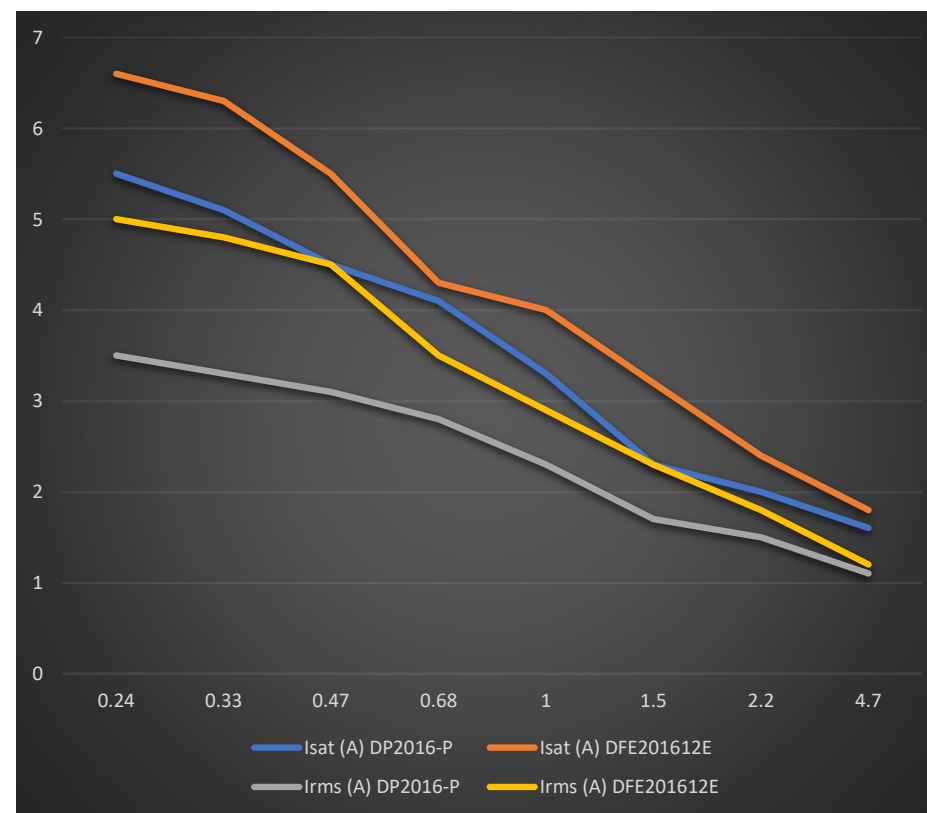
Product Comparison With Competitor



Dimension (mm)	DP2016-P	2.0 x 1.6 x 0.8
	DFE201612E	2.0 x 1.6 x 1.2

Inductance (μH)	Isat (A)		Irms (A)		RDC (mΩ)	
	DP2016-P	DFE201612E	DP2016-P	DFE201612E	DP2016-P	DFE201612E
0.24	5.5	6.6	3.5	5	36	19
0.33	5.1	6.3	3.3	4.8	41	21
0.47	4.5	5.5	3.1	4.5	49	26
0.68	4.1	4.3	2.8	3.5	61	33
1	3.3	4	2.3	2.9	100	48
1.5	2.3	3.2	1.7	2.3	157	72
2.2	2	2.4	1.5	1.8	240	116
4.7	1.6	1.8	1.1	1.2	468	252

Current



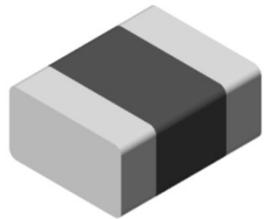
Inductance 4

Product Comparison With Competitor



ABC Advantages

- Product height of 0.8mm is unique in 2016 size.
- For products with a height of 0.8mm, ABC offer a wide range of inductance (0.24 ~ 4.7 μ H).
- DP2016-P Series are manufactured in Malaysia to supply customers around the world.



**We also have
DP2016-S Series !!**

Dimension (mm)	2.0 x 1.6 x 1.0
Inductance (μ H)	0.47 ~ 4.7
RDC (m Ω)	40 ~ 360
Isat (A)	4.5 ~ 1.5
Irms (A)	3.6 ~ 1.1