

APS-F Series

Features

- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR
- 100% lead (Pb) free meet RoHS standard
- RoHS compliance.
- Halogen Free.

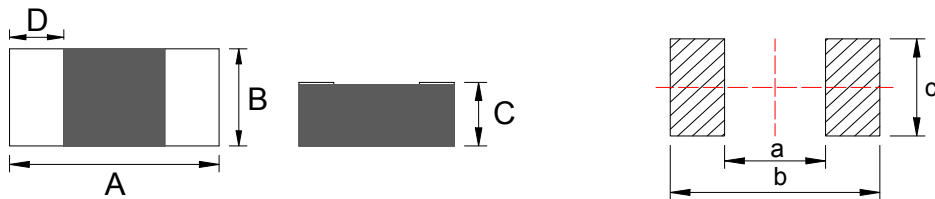
Applications

- DC/DC converter in portable device.
- Tablet pc , CPU V core, desktop etc.
- Switchs and servers.

Test Equipment and Conditions

- All test data is referenced to 25°C ambient.
- Operating temperature range -40°C to +125°C.(Including self - temperature rise).
- DC current(Irms)that will cause an approximate ΔT of 40°C.
- DC current(Isat)that will cause L0 to drop approximately 40%.

External Dimensions (Unit:mm)



TYPE	A	B	C Max	D typ	E typ	F typ	a typ	b typ	c typ	Q'TY/Reel
APS201612	2.0±0.2	1.6±0.2	1.25	0.7	/	/	0.5	2.1	1.7	3000
APS252010	2.5±0.2	2.0±0.2	1.05	0.85	/	/	0.7	2.6	2.1	3000
APS252012	2.5±0.2	2.0±0.2	1.25	0.85	/	/	0.7	2.6	2.1	3000
APS322510	3.2±0.2	2.5±0.2	1.05	1.05	/	/	1.0	3.2	2.5	3000
APS322512	3.2±0.2	2.5±0.2	1.25	1.05	/	/	1.0	3.2	2.5	3000

2. Part Number Code

APS	201612	M	100	F
Series Name	Dimensions: L*W*H	Tolerance 20%	Inductance	Internal Controls

APS-F Series

Part Number	Inductance (μ H) $\pm$ 20%	Test Frequency	DC Resistance (m Ω) Max.	Heat Rating Current I _{rms} (A)Typ.	Saturation Current I _{sat} (A)Typ.
APS201612MR10F	0.1	1MHz/1V	6	12	13
APS201612MR11F	0.11	1MHz/1V	5.6	15.5	12.5
APS201612MR15F	0.15	1MHz/1V	10	10	12
APS201612MR47F	0.47	1MHz/1V	17	6.7	6.7
APS201612MR68F	0.68	1MHz/1V	23	6	6
APS201612M3R3F	3.3	1MHz/1V	165	2.4	2.7
APS201612M6R8F	6.8	1MHz/1V	300	1.8	1.9
APS252010MR10F	0.1	1MHz/1V	8.5	12	13.5
APS252010MR24F	0.24	1MHz/1V	17.5	6.7	8.5
APS252010MR82F	0.82	1MHz/1V	29	4.5	5.3
APS252010M1R8F	1.8	1MHz/1V	60	4	4
APS252010M6R8F	6.8	1MHz/1V	320	1.6	2.4
APS252010M100F	10	1MHz/1V	560	1.05	1.55
APS252012MR11F	0.11	1MHz/1V	5	15	14
APS252012MR82F	0.82	1MHz/1V	24	5.8	6.5
APS252012M1R2F	1.2	1MHz/1V	45	3.8	4.5
APS252012M6R8F	6.8	1MHz/1V	270	1.6	2
APS252012M150F	15	1MHz/1V	565	1.4	1.4
APS252012M220F	22	1MHz/1V	800	1.2	1.1
APS322510MR22F	0.22	1MHz/1V	11	8.5	8.5
APS322512MR10F	0.1	1MHz/1V	7	12	18
APS322512MR11F	0.11	1MHz/1V	6	13	17
APS322512MR24F	0.24	1MHz/1V	12	9	11
APS322512MR56F	0.56	1MHz/1V	19	8	8.4
APS322512M100F	10	1MHz/1V	230	2.2	2.3