

### APF Series

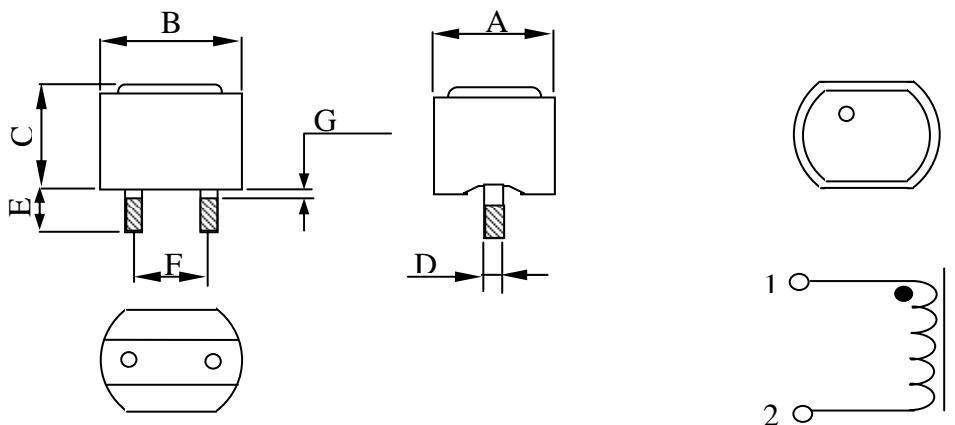
#### Features

- Low DC resistance
- High saturation transient current
- Shielded construction
- Flexibility for customer specification design
- Good DC current characteristics in high frequency and high temperature

#### Applications

- For the smoothing circuit of DC to DC converter as a choke coil or chopper coil Suitable for use
- In power lines of camcoder LCD set PDA and size communication equipment

#### External Dimensions (Unit:m/m)



TYPE	A	B	C	D	E	F	G	Q'Ty/Reel
APF07A70	7.50Max	9.50Max	7.50Max	0.7	3.4	6.0	1.0	
APF10A10	10.5Max	12.5Max	10.0Max	0.7	3.4	8.5	1.0	
APF13A15	13.0Max	13.9Max	15.0Max	0.7	3.4	8.0	1.0	
APF13A17	12.4Max	13.4Max	17.5Max	1.0	3.4	7.5	1.0	

#### Part Number Code

$\frac{APF}{A}$      $\frac{07}{B}$      $\frac{A}{C}$      $\frac{70}{D}$      $\frac{M}{E}$      $\frac{1R0}{F}$

A: Series Name                      Supper Power Inductor  
 B: Dimensions(mm)                07: 7.5x9.5    10:10.5X12.5  
 C: Materials                          No USE  
 D: Thickness(mm)                  70: 7.5    10:10  
 E: Tolerance                          M:  $\pm 20\%$     N:  $\pm 30\%$   
 F: Inductance                        1R0=1uH

**APF Series**

Part Number	@ 26 °C Ambient Temperature				DCR mΩ @ 25°C Typical	DCR mΩ @ 25°C MAX
	INDUCTANCE		Typical Heat Rating DC Current (A) (I <sub>dc</sub> )	Typical Saturation DC Current (A) (I <sub>sat</sub> )		
	Lo (μH)	TOLERANCE				
APF07A70MR56	0.56	20%	18	32	2.20	2.30
APF07A70M1R0	1.00	20%	12	20	4.00	4.20
APF07A70M1R5	1.50	20%	11	18	4.80	4.90
APF07A07M2R8	2.80	20%	11	20	6.80	7.00
APF10A10MR22	0.22	20%	38	56	0.50	0.60
APF10A10MR33	0.33	20%	33	48	0.70	0.80
APF10A10MR39	0.39	20%	32	45	0.70	0.80
APF10A10MR47	0.47	20%	30	40	0.85	1.00
APF10A10MR56	0.56	20%	30	40	0.85	1.00
APF10A10MR68	0.68	20%	30	40	0.85	1.00
APF10A10MR80	0.80	20%	26	36	1.25	1.45
APF10A10M1R0	1.00	20%	24	32	1.75	2.00
APF10A10M1R2	1.20	20%	24	30	1.75	2.00
APF10A10M1R5	1.50	20%	22	30	3.00	3.50
APF10A10M2R2	2.20	20%	20	25	3.80	4.60
APF10A10M2R8	2.80	20%	18	20	4.50	5.00
APF10A10M3R3	3.30	20%	14	16	6.40	7.20
APF10A10M4R7	4.70	20%	12	15	8.30	9.80
APF13A15M220	22.0	20%	8.0	7.0	23.0	25.0
APF13A15M330	33.0	20%	6.2	7.0	29.0	33.0
APF13A17M100	10.0	20%	10	13	10.50	11.0
APF13A17M150	15.0	20%	9	12	17.50	18.0
APF13A17M220	22.0	20%	8	11	21.5	22.0