

**Appearance & Shape: To be free from any defect such as flow, burrs, unevenness etc, As per IEC standards.**  
**Effective Parameters irrespective of material grade (per set)**

- Effective Length ( $L_e$ ): 114.0 mm
- Effective Area ( $A_e$ ): 211.0 mm<sup>2</sup>
- Effective Area ( $A_{Min}$ ): 209.0 mm<sup>2</sup>
- Effective Volume ( $V_e$ ): 24000 mm<sup>3</sup>

**Approximate weight (without Gap): 115g/Set**



## ETD4917 Un-gapped (OL)

**Test Conditions: 1 KHz/1mT/N=100/25°C**

Material	Initial Permeability ( $\mu_{iac}$ )	AL Value (nH)/Set	$\mu_e$ approx./Set	$P_v$ (W/set)
CF138/139	2100 ±20%	4100 +30%/-20%	≈ 1770	<2.40(100mT,100kHz,100 <sup>0</sup> C)
CF196	2000 ±20%	3950 +30%/-20%	≈ 1700	<3.31(200mT,16kHz,100 <sup>0</sup> C)
CF297	2300 ±20%	4400 +30%/-20%	≈ 1900	<2.16(100mT,100kHz,100 <sup>0</sup> C)
CF295	2800 ±20%	5500 +30%/-20%	≈ 2400	<2.40(100mT,100kHz,100 <sup>0</sup> C)

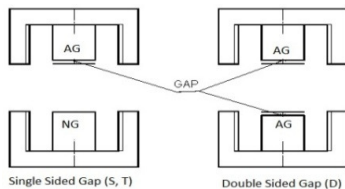
## ETD4917 Gapped

**Test Conditions: 1 KHz/300mV/N=100/25°C**

Material	Gap-Value(mm)/Pc	S, T **)		D **)	
		Approx.AL (nH)/Set	$\mu_e$ Approx	Approx.AL (nH)/Set	$\mu_e$ Approx
CF138/CF139	0.10 ±0.02	≈ 1730	≈ 744	≈ 1035	≈ 445
CF138/CF139	0.20 ± 0.02	≈ 1035	≈ 445	≈ 619	≈ 266
CF196CF138/CF139	0.50 ±0.06	≈521/≈ 525	≈222/≈ 226	≈ 309/≈ 314	≈ 131/≈ 135
CF138/CF139	0.70 ± 0.06	≈ 409	≈ 176	≈ 245	≈ 105
CF196/CF138/CF139	1.00 ± 0.06	≈ 309/≈ 314	≈ 131/≈ 135	≈ 183/≈ 188	≈ 77/≈ 81
CF138/CF139	1.50 ± 0.06	≈ 232	≈ 100	≈ 139	≈ 60
CF196/CF138/CF139	2.00 ± 0.06	≈ 183/≈ 188	≈ 77/≈ 81	≈ 98/≈ 102	≈ 41/≈ 44
CF138/CF139	3.00 ± 0.06	≈ 139	≈ 60	≈ 64	≈ 36
CF295	2.00 ± 0.06	≈ 130	≈ 56	≈ 58	≈ 32

\*\*\*) S, T -> AL value in the table applies to a core set comprising one ungapped core (g=0) and one gapped core (g>0)

D -> AL value in the table applies to a core set comprising one gapped core (g>0) and one gapped core (g>0)



**Delivery Procedure**

S: 50% gapped Core and 50% Ungapped core

T: 100% gapped cores (ungapped core to be ordered separately)

D: 100% gapped cores

## Dimensions :

Dimension	Nominal (in mm)	Maximum (in mm)	Minimum (in mm)
A	48.5	49.8	47.7
B	36.1	37.9	36.1
C	24.9	24.9	24.5
D	18.5	18.5	18.2
E	16.7	16.7	15.9
F	16.7	16.7	15.9

