

L.P.F Coils for Digital AMP

OUTLINE

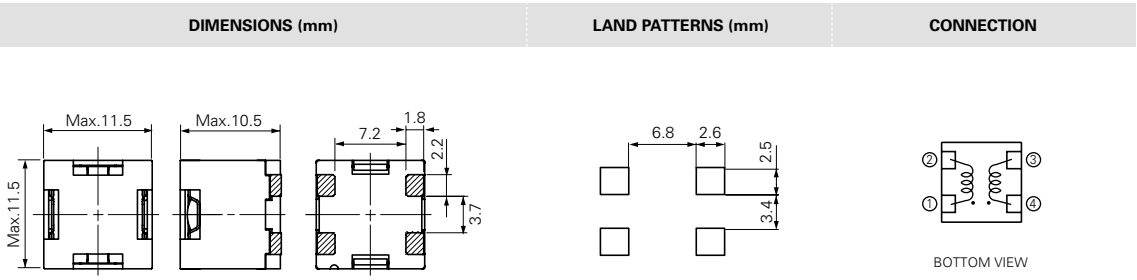
It is the inductor for LPF used in the digital amplifier featuring with higher efficiency and lower heat generation.

It is a product which corresponds to the demand of SMD type and smaller foot print (two in one type LPF) for 1 speaker. (CDEPI106 and DEPI1615)
Applications are car audios, 5.1ch home theater sets and large LCDs.

CDEPI106



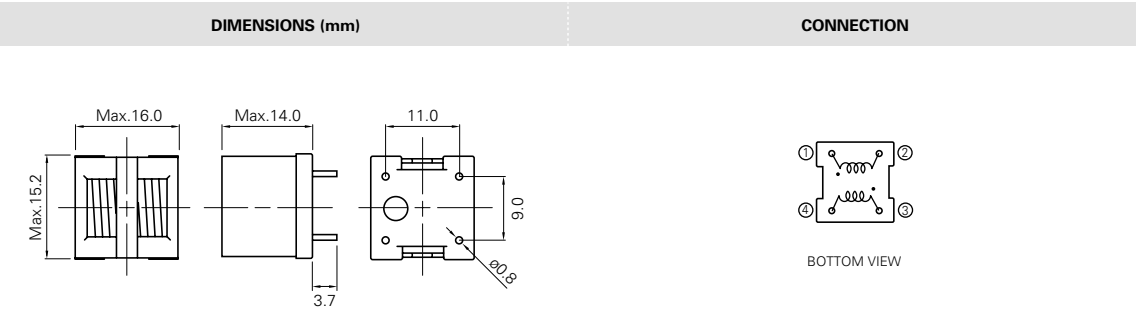
(10 μ H - 22 μ H)



DEPI1615



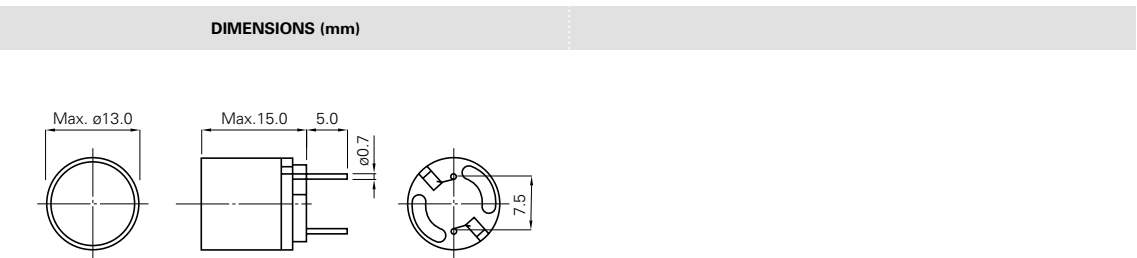
(10 μ H)



RP1315



(10 μ H - 33 μ H)



TYPE : CDEPI106, DEPI1615, RP1315

Parts No.	L (H)	CDEPI106			DEPI1615			RP1315				
		D.C.R.(Ω) : Max.(Typ.) (1-2),(4-3)	Saturation Rated Current (A) *A		Temperature Rise Current (A) *C	D.C.R.(Ω) : Max.(Typ.) (1-2),(4-3)	Saturation Rated Current (A) *A		Temperature Rise Current (A) *C	D.C.R.(Ω) : Max.	Saturation Rated Current (A) *B	Temperature Rise Current (A) *C
			20℃	105℃			20℃	105℃				
100	10μ	28.8m(23m)	4.90	4.50	4.00	9.2m(7.3m)	9.60	7.60	9.30	19.0m	8.10	4.50
150	15μ	28.8m(23m)	3.50	3.00	4.00					27.4m	6.30	4.00
220	22μ	28.8m(23m)	2.20	1.90	4.00					44.2m	5.40	3.50
270	27μ									56.3m	4.50	3.00
330	33μ									70.0m	4.50	2.30

Measuring Freq. (L)

CDEPI106	100kHz
DEPI1615	100kHz
RP1315	1kHz

Tolerance of Inductance

CDEPI106	10μH - 15μH ± 25% (N), 22μH ± 30% (N)
DEPI1615	10μH ± 25% (N)
RP1315	10μH - 33μH ± 30% (N)

Other

- *A Saturation Rated Current : It indicates the D.C. current value when inductance value become more than 75% of the nominal one.
 *B Saturation Rated Current : This indicates the value of D.C. current when the inductance decreases to 80% of it's nominal. (Ta=20°C)
 *C Temperature Rise Current : The value of D.C. current when temperature rise is Δt=40°C (Ta=20°C).

About Lead-free products

- Lead-free products are now available for sale
 - To order a lead-free product, please add " NP " after the product type
- e.g. Ordering code of lead product : Type name-△△△○×
 Ordering code of lead-free product : Type name NP △△△○×

Ordering Code

CDEPI106 - △△△○× - □

△ : Parts No.	○ : Tolerance of inductance	× : Packing	□ :
	N (25%)	C (Carrier tape)	88 (Low D.C.R type)
	N (30%)	B (Box)	50 (Standard type)
			32 (High power type)