

Panasonic

Choke Coils

Power Choke Coil

Japan
SingaporeSeries: **PCC-F126F (N6)**

Thin, compact and high power

Industrial Property: Utility models 3 (pending)

■ Features

- High power type (Isat 20 A /100 °C)
- Thin type (5.7mm height)/SMD mount is possible
- Low leakage flux (EI type /Center gap core)

■ Recommended Applications

- DC/DC converter for driving PC at high speed
- Thin type on-board power supply module for exchanger (10 to 40 W)

■ Standard Packing Quantity

- 500 pcs./Reel

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	T	Q	P		F						
Product code	Classification			Size	Winding	Inductance			Core	Packaging	Suffix

■ Examples

Parts No.	Type	Initial inductance at 25 °C		Inductance at flat point at 25 °C		Saturation current		Heat current $\Delta T=40$ K	DC resistance at 20 °C
		L_0 (μ H)	Tol. (%)	L_1 (μ H)	Tol. (%)	at 25 °C	at 100 °C		
						I_{sat} (A) min.	I_{sat} (A) min.	I_0 (A)	DCR (m Ω) max.
ETQP6F1R2HFA	HL	2.3	± 30	1.2	± 30	14.3	11.7	14.2	2.24
ETQP6F2R0HFA		3.5		2.0		10.7	8.7	12.5	3.30
ETQP6F3R2HFA		4.8	± 25	3.2	± 25	8.6	7.1	10.8	4.92
ETQP6F4R6HFA		6.6		4.6		7.3	6.0	9.3	6.48
ETQP6F6R4HFA		8.3		6.4		6.2	5.2	7.9	8.64
ETQP6F8R2HFA		10.4	± 25	8.2	± 25	5.6	4.7	7.2	10.90
ETQP6F102HFA		12.5		10.2		4.7	4.0	6.5	13.30
ETQP6F1R0SFA	SP	1.9	± 30	1.0	± 30	19.4	15.4	14.2	2.24
ETQP6F1R6SFA		2.8		1.6		14.9	12.2	12.5	3.30
ETQP6F2R5SFA		3.6		2.5		11.3	9.3	10.8	4.92
ETQP6F3R5SFA		4.9		3.5		9.5	8.0	9.3	6.48
ETQP6F0R8LFA	LB	1.8	± 30	0.8	± 30	25.2	20.0	14.2	2.24
ETQP6F1R3LFA		2.5		1.3		18.6	15.8	12.5	3.30
ETQP6F2R0LFA		3.1		2.0		15.1	12.1	10.8	4.92
ETQP6F2R9LFA		4.1	± 20	2.9	± 20	12.0	10.0	9.3	6.48
ETQP6F4R1LFA		5.0		4.1		10.8	8.7	7.9	8.64

(Note1) Measured frequency of inductance is 100 kHz

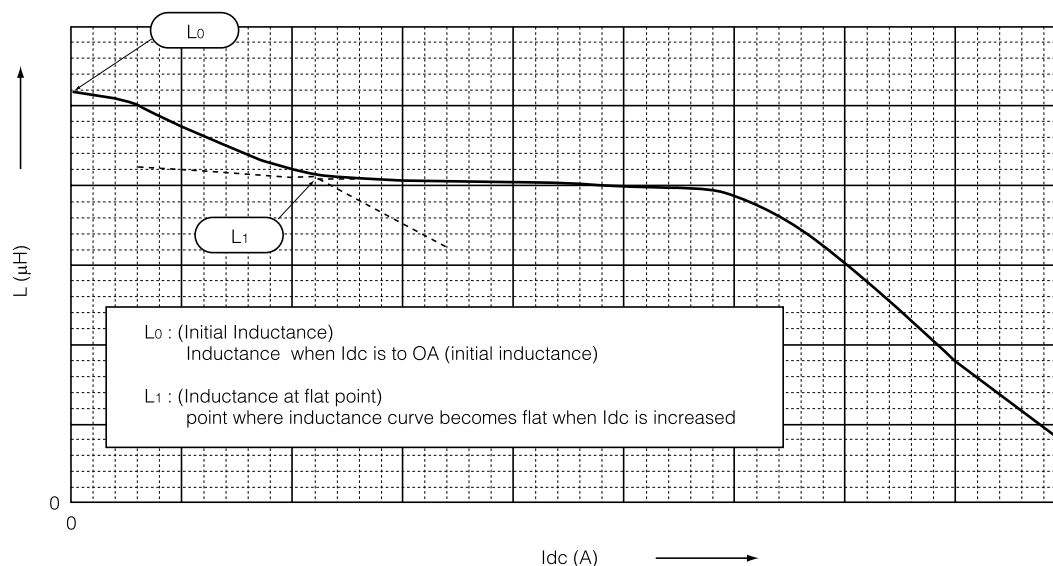
(Note2) Concerning the definition of L_o & L_1 , please refer to "next page"(Note3) Saturation current (I_{sat}) is the current value that inductance (L_1) decreases to 80 % of initial value.(Note4) Heat current (I_o) is the actual value of the current at which the temperature rise of coil becomes 40 K when DC current is blown.

Actually, to decide the heat current, the temperature rise within the set shall be considered.

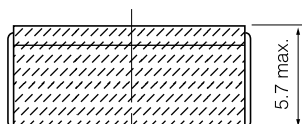
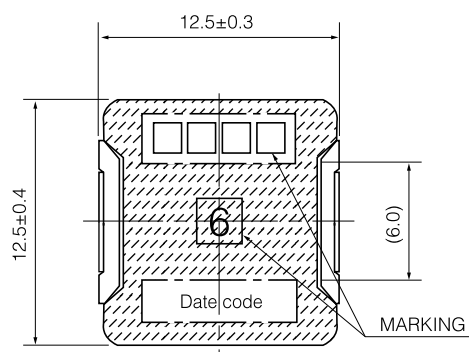
Concerning the heat current (I_o) when (ΔT) was decreased more, please contact with us.

■ L₀, L₁: Definition

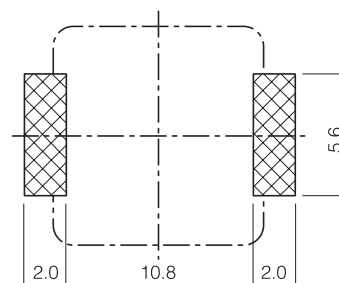
DC Bias Characteristic



■ Dimensions in mm (not to scale)



■ Recommended Land Pattern in mm (not to scale)



() : Reference value

