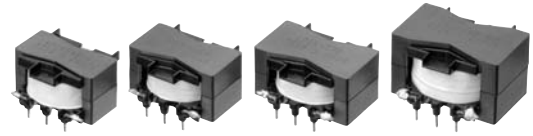


Choke Coils for PFC

PFC Series

FEATURES

- A low height(20 to 25mm in height) is achieved.
- Large Current is achieved in a small shape.
- Lightening about 6% is achieved compared with the PQ series.



APPLICATIONS

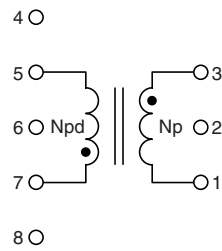
AV equipment, digital consumer electronics

PRODUCT IDENTIFICATION

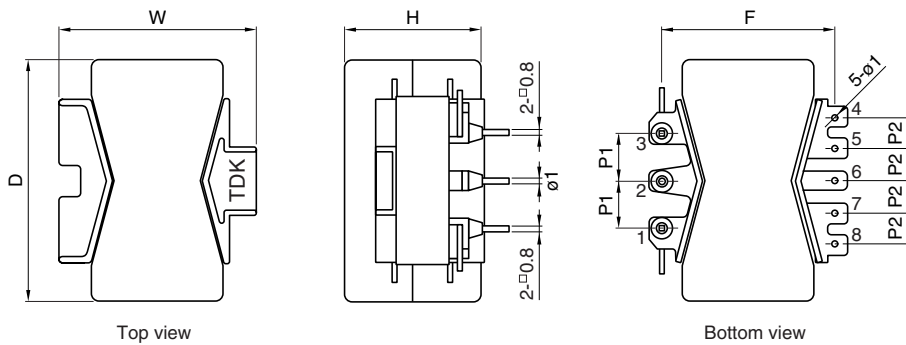
PFC	3519QM	- 301	K	07	E	- **
(1)	(2)	(3)	(4)	(5)	(6)	(7)

- (1) Series name
 (2) Core size
 (3) Inductance code
 (4) Inductance tolerance
 (5) Rated current code
 (6) Peak current code
 (7) Control mark

CIRCUIT DIAGRAM



SHAPES AND DIMENSIONS



Dimensions in mm

Type	W	D	H	P1	P2	F
PFC3318QM	28.0max.	35.0max.	20.0max.	7.5	5	22.5
PFC3519QM	30.0max.	37.0max.	20.0max.	7.5	5	25
PFC3819QM	33.5max.	40.0max.	20.0max.	7.5	5	28
PFC4124QM	38.0max.	43.0max.	25.0max.	7.5	5	32

ELECTRICAL CHARACTERISTICS

Part No.	Input Voltage Eac(V)	Frequency (kHz)min.	PFC output power (W)	Inductance (μ H)	Rating peak current*1 (A)	Peak current at OCP		Turns ratio
						OCP margin	Saturation current*1(A)	
PFC3318QM-601K03B-00	85 to 264	50	75	600	2.8	120%	3.3	9.0
PFC3318QM-601K03E-00	85 to 264	50	75	600	2.8	150%	4.1	9.6
PFC3318QM-451K04B-00	85 to 264	50	100	450	3.7	120%	4.4	9.0
PFC3519QM-451K04E-00	85 to 264	50	100	450	3.7	150%	5.5	10.0
PFC3519QM-301K06B-00	85 to 264	50	150	300	5.5	120%	6.6	9.8
PFC3819QM-301K06E-00	85 to 264	50	150	300	5.5	150%	8.3	9.8
PFC3519QM-231K07B-00	85 to 264	50	200	230	7.4	120%	8.8	9.6
PFC3819QM-231K07D-00	85 to 264	50	200	230	7.4	140%	10.4	9.6
PFC3819QM-181K09B-00	85 to 264	50	250	180	8.8	120%	11.1	9.5
PFC4124QM-181K09D-00	85 to 264	50	250	180	8.8	140%	12.9	9.5
PFC3819QM-151K11B-00	85 to 264	50	300	150	11.1	120%	13.3	9.8
PFC4124QM-151K11D-00	85 to 264	50	300	150	11.1	140%	15.5	9.8

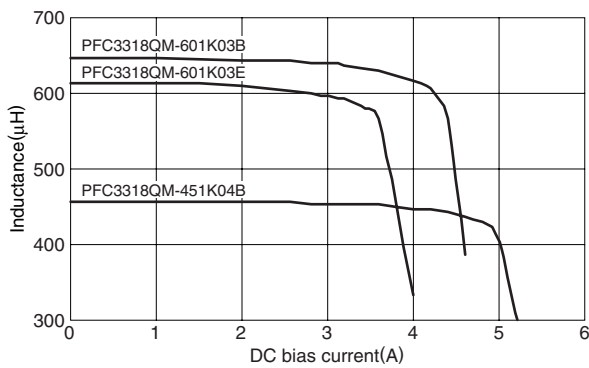
*1 The rated current is regulated by continuous control, so that the current does not undergo a rise in temperature any greater than 40°C.

*2 Saturation of the current is regulated in order for a 20% decline in inductance.

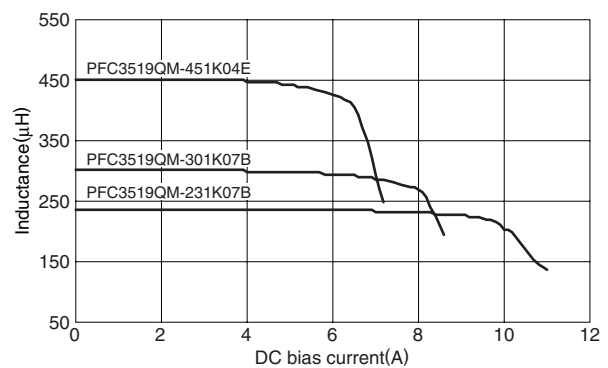
TYPICAL ELECTRICAL CHARACTERISTICS

INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS

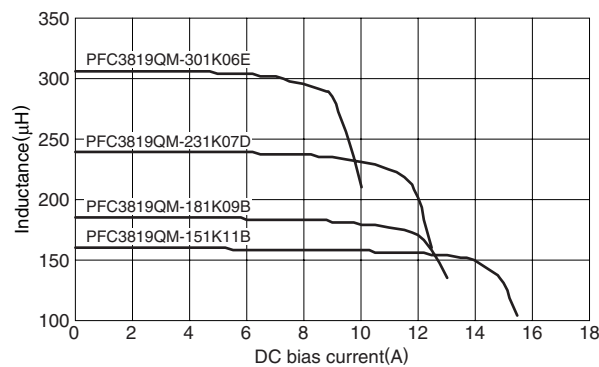
PFC3318QM



PFC3519QM



PFC3819QM



PFC4124QM

