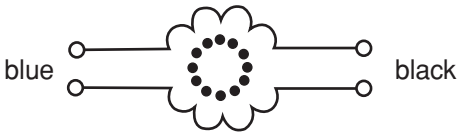
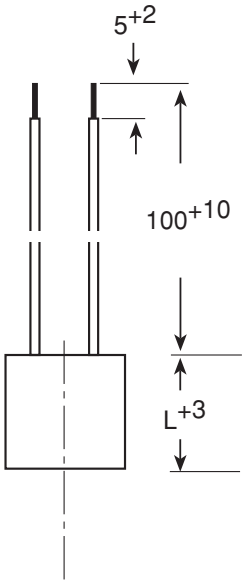
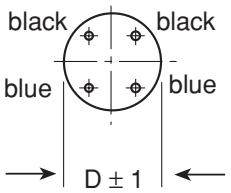
Suppression Inductors, Ring Core Inductors (Double Inductors), Current Compensated

TECHNICAL DATA:
See page 111 (Document Number 27502)

CIRCUIT DIAGRAM:







DESCRIPTION OF CIRCUIT:
In order to prevent magnetization through the working current, the leads of the same color must be connected to leads in the line or the load.

RATED CURRENT* (amps)	INDUCTANCE (mH)	APPROX. DC RESISTANCE (Ω)	DIMENSION D x L (mm)	ORDERING CODE
1.0	2.0 x 7.0	2.0 x 0.26	20 x 22	F1753-270-122
2.0	2.0 x 4.0	2.0 x 0.16	20 x 22	F1753-240-122
2.5	2.0 x 2.5	2.0 x 0.1	20 x 22	F1753-225-122
4.0	2.0 x 1.0	2.0 x 0.05	20 x 22	F1753-210-122
6.3	2.0 x 0.5	2.0 x 0.002	20 x 22	F1753-150-122
1.0	2.0 x 15.0	2.0 x 0.5	20 x 22	F1753-315-122
1.6	2.0 x 10.0	2.0 x 0.3	20 x 30	F1753-310-222
1.6	2.0 x 7.0	2.0 x 0.16	25 x 30	F1753-270-222
1.6	2.0 x 27.0	2.0 x 0.4	25 x 30	F1753-327-222
2.5	2.0 x 7.0	2.0 x 0.1	25 x 30	F1753-270-222
4.0	2.0 x 2.5	2.0 x 0.05	25 x 30	F1753-225-222
4.0	2.0 x 4.0	2.0 x 0.06	25 x 30	F1753-240-222
6.3	2.0 x 1.0	2.0 x 0.035	25 x 30	F1753-210-222
8.0	2.0 x 0.68	2.0 x 0.02	25 x 30	F1753-168-222
10.0	2.0 x 0.5	2.0 x 0.014	25 x 30	F1753-150-222

*For ambient temperature of > 40°C the allowed current decreases in ratio to the rated current. See diagram on page 111 (Document Number 27502).
NOTE: Impedance curve found on page 114.

Suppression Inductors, Ring Core Inductors (Double Inductors), Current Compensated

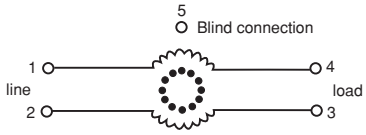
TECHNICAL DATA:

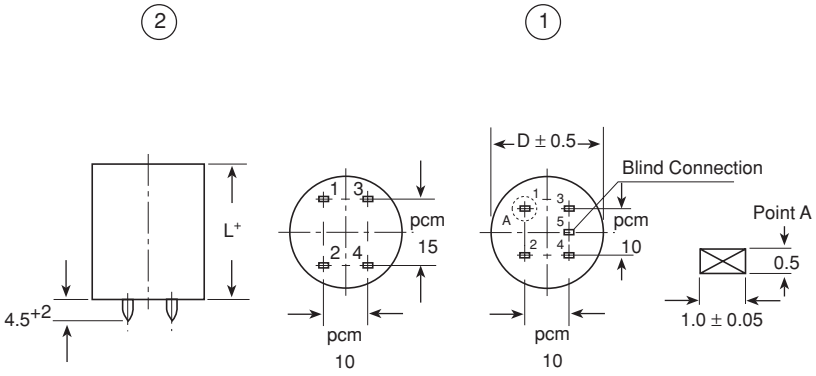
See page 111 (Document Number 27502)

LEADS:

Designed for mounting on printed circuit boards, pcm 2.5mm.

CIRCUIT DIAGRAM:





DESCRIPTION OF CIRCUIT:

In order to prevent magnetization through the working current, the connection must be according to the shown circuit diagram.

RATED CURRENT* (amps)	INDUCTANCE (mH)	APPROX. DC RESISTANCE (Ω)	DIMENSION D x L (mm)	DIMENSIONAL DRAWING	ORDERING CODE
1.0	2.0 x 7.0	2.0 x 0.26	20 x 22	1	F1753-270-124
2.0	2.0 x 4.0	2.0 x 0.16	20 x 22	1	F1753-240-124
2.5	2.0 x 2.5	2.0 x 0.1	20 x 22	1	F1753-225-124
4.0	2.0 x 1.0	2.0 x 0.05	20 x 22	1	F1753-210-124
6.3	2.0 x 0.5	2.0 x 0.002	20 x 22	1	F1753-150-124
1.0	2.0 x 15.0	2.0 x 0.5	20 x 22	1	F1753-315-124
1.6	2.0 x 10.0	2.0 x 0.3	20 x 30	2	F1753-310-224
1.6	2.0 x 7.0	2.0 x 0.16	25 x 30	2	F1753-270-224
1.6	2.0 x 27.0	2.0 x 0.4	25 x 30	2	F1753-327-224
2.5	2.0 x 7.0	2.0 x 0.1	25 x 30	2	F1753-270-224
4.0	2.0 x 2.5	2.0 x 0.05	25 x 30	2	F1753-225-224
4.0	2.0 x 4.0	2.0 x 0.06	25 x 30	2	F1753-240-224
6.3	2.0 x 1.0	2.0 x 0.035	25 x 30	2	F1753-210-224
8.0	2.0 x 0.68	2.0 x 0.02	25 x 30	2	F1753-168-224
10.0	2.0 x 0.5	2.0 x 0.014	25 x 30	2	F1753-150-224

*For ambient temperature of > 40°C the allowed current decreases in ratio to the rated current. See diagram on page 111 (Document Number 27502).
NOTE: Impedance curve found on page 114.

Impedance (Z) as a function
of frequency (f) at T_a = 20°C (average)