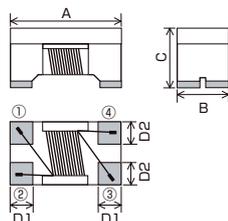
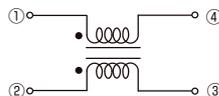


Wire-wound Common Mode Filter applicable to automated mounting on PC board.

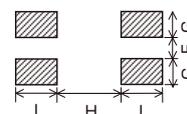
■ Outside dimensions



■ Equivalent circuit



■ Recommended pad dimensions



KWCM Series

- Wire-wound Common Mode Filter optimal for the High-speed differential signal (Applicable reflow soldering.)
- 2012 (2.0×1.2mm), 3216 (3.2×1.6mm): 2 size variation.

Unit: mm

Part Number / Size	A	B	C	D1 TYP	D2 TYP	F TYP	G TYP	H TYP	I TYP
KWCM-2012	2.0±0.2	1.2±0.2	1.2±0.2	0.45	0.4	0.4	0.4	0.8	0.9
KWCM-3216	3.2±0.2	1.6±0.2	2.0±0.2	0.6	0.6	0.4	0.6	1.6	1.05

Part Number Guide

KWCM - 2012 - 900 T
 (1) (2) (3) (4)

- (1) Product classification
- (2) Size
- (3) Impedance
- (4) Packing specification

Electrical characteristics

Part No.	Common Mode Impedance (Ω) at 100MHz	DC Resistance (Ω) max.	Rated Current (mA.) max.	Rated Voltage (V) max.
KWCM-2012-120T	≥ 12±25%	0.20	450	50 (DC)
KWCM-2012-240T	≥ 24±25%	0.25	420	50 (DC)
KWCM-2012-320T	≥ 32±25%	0.25	400	50 (DC)
KWCM-2012-500T	≥ 50±25%	0.25	400	50 (DC)
KWCM-2012-670T	≥ 67±25%	0.25	400	50 (DC)
KWCM-2012-900T	≥ 90±25%	0.30	400	50 (DC)
KWCM-2012-121T	≥ 120±25%	0.30	370	50 (DC)

Part No.	Common Mode Impedance (Ω) at 100MHz	DC Resistance (Ω) max.	Rated Current (mA.) max.	Rated Voltage (V) max.
KWCM-2012-141T	≥ 140±25%	0.32	360	50 (DC)
KWCM-2012-161T	≥ 160±25%	0.35	350	50 (DC)
KWCM-2012-181T	≥ 180±25%	0.35	330	50 (DC)
KWCM-2012-201T	≥ 200±25%	0.40	300	50 (DC)
KWCM-2012-221T	≥ 220±25%	0.40	300	50 (DC)
KWCM-2012-261T	≥ 260±25%	0.40	300	50 (DC)
KWCM-2012-371T	≥ 370±25%	0.45	280	50 (DC)

Part No.	Common Mode Impedance (Ω) at 100MHz	DC Resistance (Ω) max.	Rated Current (mA.) max.	Rated Voltage (V) max.
KWCM-3216-330T	≥ 33±25%	0.20	400	50 (DC)
KWCM-3216-500T	≥ 50±25%	0.25	400	50 (DC)
KWCM-3216-900T	≥ 90±25%	0.35	400	50 (DC)
KWCM-3216-121T	≥ 120±25%	0.30	400	50 (DC)
KWCM-3216-161T	≥ 160±25%	0.40	350	50 (DC)
KWCM-3216-221T	≥ 220±25%	0.45	300	50 (DC)
KWCM-3216-261T	≥ 260±25%	0.50	310	50 (DC)

Part No.	Common Mode Impedance (Ω) at 100MHz	DC Resistance (Ω) max.	Rated Current (mA.) max.	Rated Voltage (V) max.
KWCM-3216-501T	≥ 500±25%	0.80	260	50 (DC)
KWCM-3216-601T	≥ 600±25%	0.80	260	50 (DC)
KWCM-3216-102T	≥ 1000±25%	1.20	250	50 (DC)
KWCM-3216-222T	≥ 2200±25%	1.20	200	50 (DC)

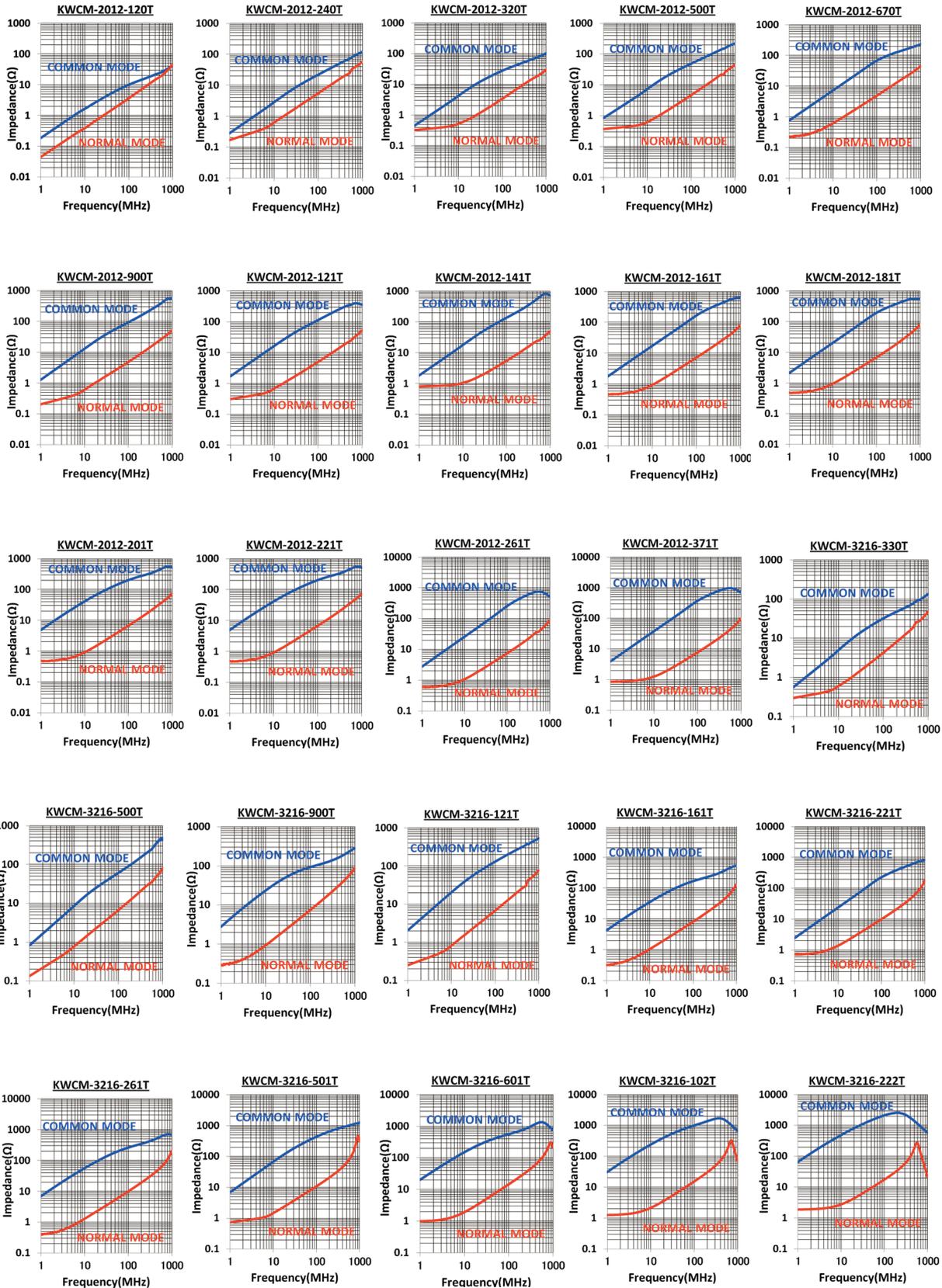
Impedance vs Frequency characteristics

FERRITE CORE PRODUCTS

Others

Split PET films

Non split type



※The values are measured data for reference, not guaranteed.