

Cross Reference List: Finemet - VITROPERM

FT-3KM K series

note that FT-3KM materials offer a round BH-loop. VAC cores are F-loop and thus not 1:1 replacements.

Product code	P/N	Finished dimensions (mm)			AF _e (mm ²) TYP.	LF _e (mm) TYP.	Weight (g) TYP.	AL value (μH/N ²)		VAC cross ref.
		OD ±0.7	ID ±0.5	H ±0.7				10kHz MIN.	100kHz ±30%	
F1AH0538	FT-3KM K1208A	13	6	7.1	7.7	30.3	2.9	18.2	5.8	W902
F1AH0692	FT-3KM K1208C	13.5	6.8	12.5	13.3	31.7	4.5	24	8.8	-
F1AH0654	FT-3KM K1812A	20.2	10.3	8.1	11.3	47.1	5.8	14.7	5.3	W515
F1AH0693	FT-3KM K1912C	21.1	10	13.3	24.4	48.9	13	28.2	10.6	W409
F1AH0694	FT-3KM K2313D	25.2	11.5	15.1	43.9	57.3	23	41.6	15.3	W380
F1AH0695	FT-3KM K2214B	24.2	12	10.6	22.2	56.5	13	22.2	8.1	W838
F1AH0696	FT-3KM K2515D	27.2	13	15.6	46.3	62.8	26	41.6	15.3	W380
F1AH0697	FT-3KM K2818E	30.4	15.8	18	55.5	72.3	37	43.4	15.9	W423
F1AH0699	FT-3KM K3819D	40.4	16.8	15.5	87.9	89.5	68	55.5	20.4	W424
F1AH0700	FT-3KM K3824G	40.6	21.4	23	105	97.4	87	61	24.4	W974
F1AH0701	FT-3KM K5328E	56.4	24.6	19	127.5	114.7	155	62.5	25	V102

FT-3KL V series

FT-3KL materials are comparable to VITROPERM 500F

Product code	P/N	Finished dimensions (mm)			AF _e (mm ²) TYP.	LF _e (mm) TYP.	Weight (g) TYP.	AL value (μH/N ²)		VAC cross ref.
		OD ±0.7	ID ±0.5	H ±0.7				10kHz MIN.	100kHz ±30%	
F1AH0970	FT-3KL V1208C	13.5	6.8	12.5	13.7	31.9	4.5	8.7	9.1	-
F1AH0971	FT-3KL V1912C	21.1	10	13.3	25.4	48.9	13	10.5	11.1	W409, W450
F1AH0972	FT-3KL V2515D	27.2	13	15.6	47.3	63.3	26	15.1	16	W380, W451

FT-3KM N series

note that FT-3KM materials offer a round BH-loop. VAC cores are F-loop and thus not 1:1 replacements.

Product code	P/N	Finished dimensions (mm)			AF _e (mm ²) TYP.	LF _e (mm) TYP.	Weight (g) TYP.	AL value (μH/N ²)		VAC cross ref.
		OD ±0.7	ID ±0.5	H ±0.7				10kHz MIN.	100kHz ±30%	
FT-3KM N2515D	F1AH0702	27.6	12.6	16	46.9	62.8	28	41.6	15.3	W380
FT-3KM N3320E	F1AH0703	35.6	17.4	19	73.1	73.3	56	49.7	19.9	W514
FT-3KM N4225E	F1AH0704	46	21	19	95.6	105.2	95	51.4	20.6	W424
FT-3KM N5034E	F1AH0705	54	30	19	90	131.9	110	38.6	15.4	W516
FT-3KM N6442E	F1AH0706	68	38	19	123.8	166.5	184	42	16.8	W517
FT-3KM N5434G	F1AH0708	58	30	25	150	138	210	61.4	24.5	V102

FT-3KL F series

FT-3KL materials are comparable to VITROPERM 500F

Product code	P/N	Finished dimensions (mm)			AF _e (mm ²) TYP.	LF _e (mm) TYP.	Weight (g) TYP.	AL value (μH/N ²)		VAC cross ref.
		OD	ID	H				10kHz	100kHz	
F1AH0680	FT-3KL F3320E	35.8±0.5	17.3±0.5	17.5±0.7	73.1	83.3	49	17.8~33.0	18.8±30%	W514
F1AH0681	FT-3KL F3724E	40.0±0.5	21.1±0.5	17.6±0.7	73.1	95.8	59	15.4~28.7	16.3±30%	W453
F1AH0682	FT-3KL F4535G	49.0±0.5	31.0±0.5	25.0±0.7	75	125.7	89	12.1~22.4	12.8±30%	V101
F1AH0683	FT-3KL F6045G	64.0±0.7	41.0±0.7	25.0±1.0	107.3	166	162	13.1~24.3	13.8±30%	V144, V110
F1AH0684	FT-3KL F7555G	79.0±0.7	51.0±0.7	25.0±0.7	146.3	205	267	14.4~26.8	15.2±30%	W628
F1AH0685	FT-3KL F10080G	104.0±0.7	76.0±0.7	25.0±0.7	138.3	285.1	336	9.8~18.3	10.4±30%	V081, W629
F1AH0686	FT-3KL F140100	144.0±1.0	96.0±0.7	35.0±1.0	427.5	380.1	1335	22.8~42.3	24.0±30%	-

Note: Hitachi and VAC cores are in many cases not 1:1 compatible. Our cross references are "best guess" which do not fit under all conditions.