

Common Mode Choke Cores

For three-phase AC power lines

● FT-3KM N series

FT-3KM N series cores made of FT-3M material are toroidal cores for common mode chokes used in three-phase AC power lines. FT-3M allows significant reduction of audible noise emission for the cores due to low saturation magnetostriction (λ_s).



Table 15. Product code, part number and specifications

Product code	P/N	Finished dimensions (mm)							Ae (mm ²) TYP.	Le (mm) TYP.	Weight (g) TYP.	AL value(μ H/N ²)	
		A	B	C	D	E	F	G				10kHz	100kHz
		± 0.7	± 0.7	± 0.5	± 0.7	REF.	REF.	REF.				MIN.	$\pm 30\%$
F1AH0702	FT-3KM N2515D	27.6	16.0	12.6	22.0	3.2	1.0	3.0	46.9	62.8	28	41.6	15.3
F1AH0703	FT-3KM N3320E	35.6	17.4	19.0	27.0	3.2	1.5	4.0	73.1	73.3	56	49.7	19.9
F1AH0704	FT-3KM N4225E	46.0	19.0	21.0	27.0	4.0	3.0	4.0	95.6	105.2	95	51.4	20.6
F1AH0705	FT-3KM N5034E	54.0	19.0	30.0	29.0	4.0	—	5.0	90.0	131.9	110	38.6	15.4
F1AH0706	FT-3KM N6442E	68.0	19.0	38.0	29.0	5.0	—	5.0	123.8	166.5	184	42.0	16.8
F1AH0708	FT-3KM N5434G	58.0	25.0	30.0	47.0	6.2	8.0	7.0	150.0	138.0	210	64.1	24.5

- UL94V-0 certified resin (130°C of heat resistance) is used for the core case.
- No Ozone Layer Depleting Chemicals are used in these products or in their manufacturing process.
- Ae: effective cross-section area Le: mean magnetic path length

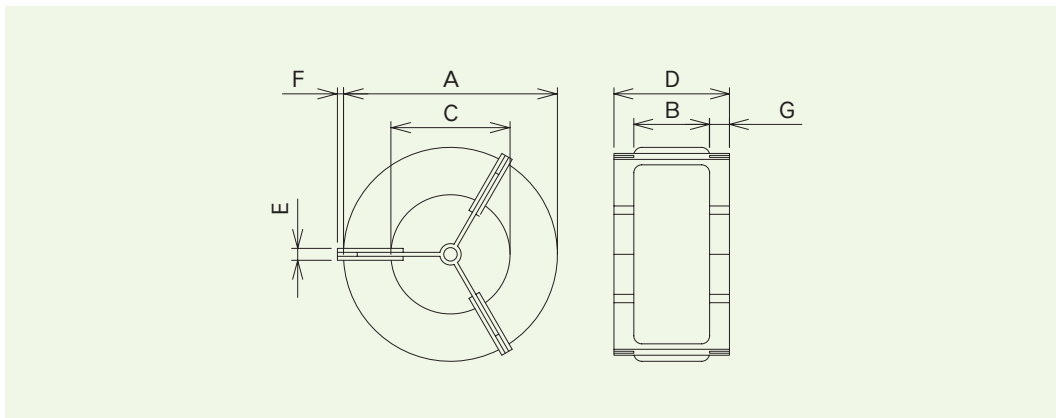


Figure 52. FT-3KM N series core

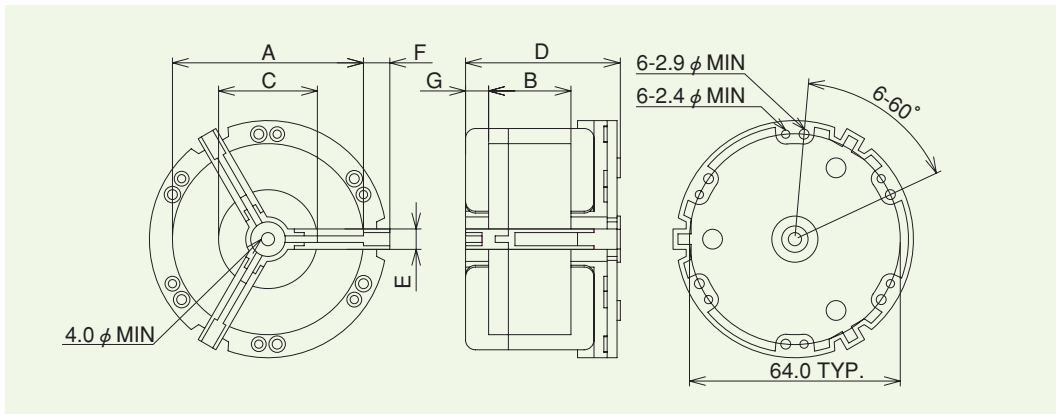


Figure 53. FT-3KM N5434G

