FM Series

Miniature Toroidal - Single Primary

Features:

- High quality construction
- Low radiated magnetic field, suitable for sensitive electronics
- Double insulated primary leads
- Resin filled centre with M4 clear mounting hole
- Flexible lead outs can be trimmed to any length without the need of enamel removal
- Suitable for use in low power equipment
- Designed, tested and manufactured in accordance with EN60742, EN60065 and EN60950
- 100% electrical and flash tested

A high quality range of miniature open style toroidal transformers with flying leads. Featuring a single primary winding tapped at 115 and 230 V 50 / 60 Hz, and dual secondary windings. Secondary windings can be connected in series or parallel or used independently.

Specifications

VA	Regulation % Typical	Iron Loss Watts	Copper Loss Watts	Temperature Rise (°C)	Efficiency % Typical	Diameter	Height	Weight (kg)
1.6	21	0.09	0.4	10	76%	42	23	0.13
3.2	20		0.8	16	79%	43	24	0.14
5	18	0.11	1.1	18	81%	50		0.17
7	19	0.13	1.6	25	80%	51		0.19

Dimensions : Millimetres

Figures given above are maximums for any given VA

Maximum ambient temperature 40°C.
Overall temperature rating class A (105°C).
Secondary voltage tolerance ±1% at nominal input and full resistive load.
No mounting screw supplied.
All leads 150 mm long, stripped and tinned for last 6 mm.

Note : Under no circumstances should both ends of any fixing bolt be allowed to come simultaneously in contact with metal chassis or framework so that an electrical path is formed through the bolt in the centre of the transformer via the external framework. This would constitute a shorted turn and would cause irreparable damage.

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Specification Table

Description	Specification	Load (VA)	Part Number
Transformer, Mini, 1.6VA, 2 X 7V	0-7 V, 0-7 V at 0.114 A	1.6	MCFM16/07
Transformer, Mini, 1.6VA, 2 X 9V	0-9 V, 0-9 V at 0.089 A		MCFM16/09
Transformer, Mini, 1.6VA, 2 X 12V	0-12 V, 0-12 V at 0.067 A		MCFM16/12
Transformer, Mini, 1.6VA, 2 X 15V	0-15 V, 0-15 V at 0.053 A		MCFM16/15
Transformer, Mini, 1.6VA, 2 X 22V	0-22 V, 0-22 V at 0.036 A		MCFM16/22
Transformer, Mini, 3.2VA, 2 X 7V	0-7 V, 0-7 V at 0.229 A	3.2	MCFM32/07
Transformer, Mini, 3.2VA, 2 X 9V	0-9 V, 0-9 V at 0.178 A		MCFM32/09
Transformer, Mini, 3.2VA, 2 X 12V	0-12 V, 0-12 V at 0.133 A		MCFM32/12
Transformer, Mini, 3.2VA, 2 X 15V	0-15 V, 0-15 V at 0.107 A		MCFM32/15
Transformer, Mini, 3.2VA, 2 X 18V	0-18 V, 0-18 V at 0.089 A		MCFM32/18
Transformer, Mini, 5VA, 2 X 7V	0-7 V, 0-7 V at 0.357 A	5	MCFM50/07
Transformer, Mini, 5VA, 2 X 9V	0-9 V, 0-9 V at 0.278 A		MCFM50/09
Transformer, Mini, 5VA, 2 X 12V	0-12 V, 0-12 V at 0.208 A		MCFM50/12
Transformer, Mini, 5VA, 2 X 15V	0-15 V, 0-15 V at 0.167 A		MCFM50/15
Transformer, Mini, 5VA, 2 X 18V	0-18 V, 0-18 V at 0.139 A		MCFM50/18
Transformer, Mini, 5VA, 2 X 22V	0-22 V, 0-22 V at 0.114 A		MCFM50/22
Transformer, Mini, 7VA, 2 X 7V	0-7 V, 0-7 V at 0.5 A	7	MCFM70/07
Transformer, Mini, 7VA, 2 X 9V	0-9 V, 0-9 V at 0.389 A		MCFM70/09
Transformer, Mini, 7VA, 2 X 12V	0-12 V, 0-12 V at 0.292 A		MCFM70/12
Transformer, Mini, 7VA, 2 X 15V	0-15 V, 0-15 V at 0.233 A		MCFM70/15
Transformer, Mini, 7VA, 2 X 18V	0-18 V, 0-18 V at 0.194 A		MCFM70/18
Transformer, Mini, 7VA, 2 X 22V	0-22 V, 0-22 V at 0.159 A		MCFM70/22

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