



## 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.

## Specification Table

VA	Regulation % Typical	Iron Loss Watts	Copper Loss Watts	Temperature Rise (°C)	Efficiency % Typical	Diameter (mm)	Height (mm)	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

Figures given above are maximums for any given VA

Maximum ambient temperature 40°C.

Overall temperature rating class A (105°C).

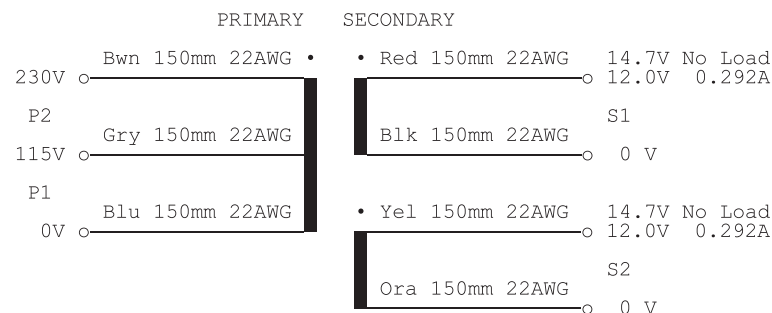
Secondary voltage tolerance ±1% at nominal input and full resistive load.

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.

## Diagram



All leads from UL1569 cable

All leads tinned to 6mm.

### Nominal Dimensions/Weight:

Diameter: 52mm

Height: 23mm

Weight: 0.2kg

### Mounting Method:

Centre potted on 40mm foam pad + M4 clearance hole

### Pri/Sec leads:

0°

## Part Number Table

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

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