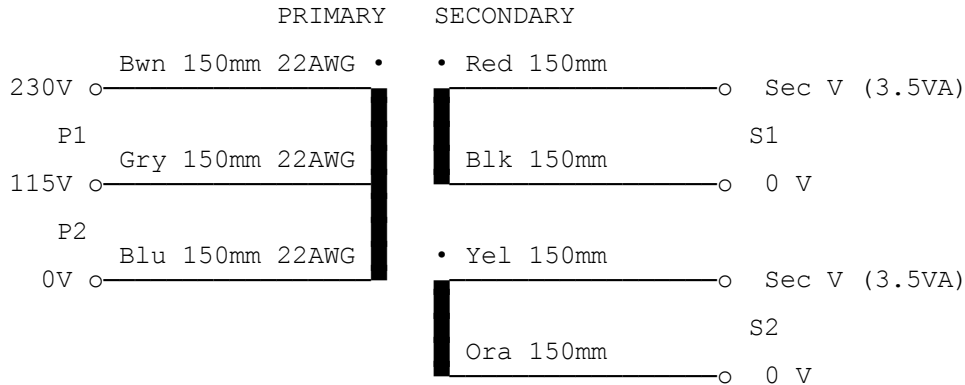




Issue. 2  
28/09/07

**Data Sheet for FM range 7.0VA Miniature Toroidal Transformers.**

Schematic



**Primary**

Input Voltage: 230v or 115V ± 10% 50/60Hz.  
DC resistance: 150/281 ± 15% @ 20 deg.C  
Magnetising current: 1.1mA approx.@ 230v 50Hz.

**Termination**

All leads Tri-Rated UL1569 style cable rated 600v /105°C VW-1  
Primary leads double insulated with PVC sleeving for a minimum of 20mm.  
Lead lengths ± 5mm approx. All leads ends tinned to 6 mm.

Pri/Sec leads 0°

**Losses**

Iron loss : 0.132 Watts approx.  
Copper loss: 1.63 Watts Approx.  
Efficiency : 80.0% typical  
Temperature rise: 27°C approx.  
Ambient rated: 40°C

**Temperature Class**

Winding wire: Class H (180°C)  
Insulation system: Class B (130°C)  
Leadout insulation: Class A (105°C)  
Overall: Class A (105°C)

Farnell Part No.	On Load Sec V	Rated amps per Sec	Off load Sec V	Sec Flex Gauge	Sec Ohms @ 20°C.	TI Part No.	UL Part No.
9531572	7	0.500	8.6	22 AWG	1.56	FM70/07	TI-027218-ME
9531580	9	0.389	11.0	22 AWG	2.53	FM70/09	TI-027219-ME
9531599	12	0.292	14.7	22 AWG	4.27	FM70/12	TI-027220-ME
9531602	15	0.233	18.3	22 AWG	6.73	FM70/15	TI-027221-ME
9531610	18	0.194	22.1	22 AWG	10.08	FM70/18	TI-027222-ME
9531629	22	0.159	27.0	22 AWG	15.3	FM70/22	TI-027223-ME

**Approx. dimensions/weight (mounting excluded)**

Diameter 51.5 mm\* \* allow extra 5mm  
Height 24.0 mm\* over leadout area  
Weight 0.2 kg

**Standards**

Designed and manufactured in accordance with : EN61558-1 / EN61558-1/A1 / EN61558-2-4 or EN61558-2-6  
UL recognised under family approval E115159 to UL1411,UL60601-1,UL195059

RoHS Compliant

