



DRIVER TRANSFORMER

MT368

TYPE MT368

JULY, 1960.

Ferguson Driver Transformer Type MT368 is designed to couple a single Type 6BM8, or 6V6, 6BW6 etc., (as triodes), to a single Type 6N7 twin triode operating under Class B conditions. It is suitable for use in the 10 Watt Modulator described in the December 1959 issue of Radio, Television & Hobbies, and similar applications.

Type MT368 employs oriented grain steel laminations, and is fully wax impregnated.

RATING

NOMINAL PRIMARY IMPEDANCE	4500 ohms
NOMINAL TURNS RATIO PRIM. TO SEC.	2:1+1
FREQUENCY RESPONSE	150-5000 cps.
PRIMARY D.C. RESISTANCE (At 20°C)	470 Ohms
TOTAL SECONDARY D.C. RESISTANCE (At 20°C)	600 Ohms
MAX. D.C. PRIMARY CURRENT	20 Milliamperes

MOUNTING

Cadmium plated steel wrap-over bracket, firmly crimped to the core, with core-locking tabs and mounting feet.

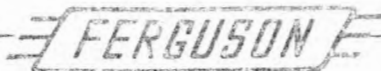
Leads 5/.0076 PVC. insulated, all approximately 8 inches long.

DIMENSIONS

HEIGHT	1-11/32 inches
WIDTH (Over Coils)	1-1/4 inches approx.
LENGTH	1-19/32 inches
OVERALL LENGTH (Inc. Mtg. Feet) ...	2-3/8 inches
MOUNTING CENTRES	2-1/16 inches
MOUNTING HOLES	0.136 inch. dia.
APPROXIMATE WEIGHT	5 oz.

COLOR CODE

PRIMARY	H.T.+ - Red, PLATE - Blue
SECONDARY	GRIDS - Yellow, Yellow C.T.-Black



FERGUSON TYPE MT415

Ferguson type MT415 matching transformer was designed for use in the 15 watt modulation circuit as described in July 1963 "Mullard Outlook". This issue described a number of mobile transmitter and receiver circuits for the amateur.

RATINGS

Max. Power	12 watts.
Primary	12.5 ohms C.T.
Secondary	7000 ohms. 4000 ohms.
Max. Secondary Current	100 ma.
Primary - D.C. Resistance19 ohms.
Secondary - D.C. Resistance	327 ohms.

CONSTRUCTION

Transformer is fully varnish impregnated, mounted in wrapover bracket firmly crimped to the grain-oriented steel laminations. Slotted mounting feet are provided.

DIMENSIONS

Height	2 inches.
Width (over coils)	1-3/4 inches.
Length	2-3/8 inches.
Overall Length (inc. mtg. feet)	3-3/8 inches.
Mounting Centres	2-13/16 inches.
Approximate weight	1 lb.

COLOUR CODE.

Primary:	Brown	Start.
	Red	Tap.
	Blue	Finish.
Secondary:	Yellow	Start.
	Black	Tap.
	Green	Finish.

FERGUSON TYPE MT433

Ferguson Type MT433 was designed for use in the 27 mc. transmitter as described in the July 1963 issue of Philips "Miniwatt Digest".

The transformer is suitable for use as a general purpose matching or interstage coupling transformer.

RATINGS.

Turns ratio Primary/Secondary	1+1 : 1.27 + .41
Max. Power rating approx.	2 watts.
Primary Impedance	30 ohms & 30 ohms.
Secondary Impedance	81 ohms tapped @ 47 ohms.
Primary D.C. Resistance8 ohms & .8 ohms.
Secondary D.C. Resistance	1.63 ohms.

CONSTRUCTION

Windings are fully vacuum wax impregnated, bobbin wound, on high quality lamination material, mounted in wrapover bracket with core locking taps firmly crimped to the core. Slotted mounting feet are provided.

DIMENSIONS.

Height	1 $\frac{1}{8}$ inches.
Width (over coils)	1-3/8 inches.
Length	1-3/4 inches.
Approximate weight	6 oz.

COLOUR CODE.

Primary:	Brown	Start
	Red	CT
	Blue	Finish.
Secondary:	Black	Start
	Orange	CT
	Green	Finish.