

BEACON RADIO LIMITED

Radio and Sound Engineers.
Manufacturers of High Fidelity
Transformers.
Transformers designed for
special requirements.
Rewinds of all types.

32 Fanshawe Street,
AUCKLAND, C.1. N.Z.

MULTI-MATCH MODULATION TRANSFORMER DATA SHEET No. 1

Modulator Load
in Kilo Ohms.

Class C Load in Kilo Ohms.

	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	S	R	Q	P	P	N	N							
3	T	S	R	R	Q	Q	P	P	N	N	N			
4	T	S	S	R	R	Q	Q	Q	P	P	P	N	N	N
5		T	S	S	R	R	R	Q	Q	Q	Q	P	P	P
6		T	T	S	S	R	R	R	R	Q	Q	Q	Q	Q
7	K	H	F	E	D	C	B	B	B	A	A	A	A	A
8	K	J	G	F	E	D	C	B	B	B	A	A	A	A
9	L	J	H	G	E	E	D	C	B	B	B	B	A	A
10	L	K	H	G	F	E	D	D	C	B	B	B	B	B
11	L	K	J	H	G	F	E	D	D	C	B	B	B	B
12	M	L	J	H	G	F	E	E	D	D	C	C	B	B
13	M	L	J	J	H	G	F	E	E	D	D	C	C	B
14	M	L	K	J	H	G	F	F	E	E	D	D	C	C
15	M	L	K	J	H	H	G	F	E	E	D	D	D	C

Locate code letter at the intersection of the
lines corresponding to the modulator plate
load and class C load and then refer to data
sheet No. 2 for transformer connections.

MULTI-MATCH MODULATION TRANSFORMER DATA SHEET NO. 2

<u>CODE</u>	<u>PRIMARY</u>			<u>SECONDARY</u>			<u>CONNECTIONS</u>		
	<u>P.</u>	<u>B.B.</u>	<u>P.</u>						
A	8	9-10	11	1	6	9&10	3&4		
B	7	9-10	12	1	6	do.	do.		
C	8	9-10	11	2	6	do.	do.		
D	1	3-4	6	7	12	do.	do.		
E	1	3-4	6	8	12	do.	do.		
F	7	9-10	12	2	6	do.	do.		
G	1	3-4	6	8	11	do.	do.		
H	8	9-10	11	1	3	do.	1&4	3&6	
J	1	3-4	6	7	12	8&10	3&4		
K	7	9-10	12	1	3	9&10	1&4	3&6	
L	1	3-4	6	7	9	9&12	3&4	7&10	
M	1	3-4	6	8	9	9&11	3&4	8&10	
N	1	2-5	3	7	12	1&4	2&5	3&6	9&10
P	1	2-5	3	8	12	do.	do.	do.	do.
Q	1	2-5	3	8	11	do.	do.	do.	do.
R	1	2-5	3	7	12	do.	do.	do.	8&10
S	1	2-5	3	7	9	do.	do.	do.	7&10 9&12
T	1	2-5	3	8	9	do.	do.	do.	8&10 9&11

<u>MOD.</u>	<u>TRANS.</u>	<u>RATING.</u>
30	50	100 watts.

PERMISSIBLE MODULATOR PLATE CURRENT PER
TUBE
(for connections N P Q R S T) is110 200 360 mills.

PERMISSIBLE CLASS C PLATE CURRENT (TOTAL)
(for connections H K L S T) is110 200 360 mills.

FOR ALL OTHER CONNECTIONS THE PERMISSIBLE
CURRENT IN THE SECONDARY AND THE PERMISSIBLE
CURRENT IN THE PRIMARY PER TUBE is55 100 180 mills.

UNDER ICAS CONDITIONS, THE ABOVE CURRENT RATINGS MAY BE INCREASED BY 33%

MULTI-MATCH MODULATION TRANSFORMER DATA SHEET NO.2

<u>CODE</u>	<u>PRIMARY</u>			<u>SECONDARY</u>			<u>CONNECTIONS</u>		
	<u>P.</u>	<u>B.B.</u>	<u>P.</u>						
A	8	9-10	11	1	6	9&10	3&4		
B	7	9-10	12	1	6	do.	do.		
C	8	9-10	11	2	6	do.	do.		
D	1	3-4	6	7	12	do.	do.		
E	1	3-4	6	8	12	do.	do.		
F	7	9-10	12	2	6	do.	do.		
G	1	3-4	6	8	11	do.	do.		
H	8	9-10	11	1	3	do.	1&4	3&6	
J	1	3-4	6	7	12	8&10	3&4		
K	7	9-10	12	1	3	9&10	1&4	3&6	
L	1	3-4	6	7	9	9&12	3&4	7&10	
M	1	3-4	6	8	9	9&11	3&4	8&10	
N	1	2-5	3	7	12	1&4	2&5	3&6	9&10
P	1	2-5	3	8	12	do.	do.	do.	do.
Q	1	2-5	3	8	11	do.	do.	do.	do.
R	1	2-5	3	7	12	do.	do.	do.	8&10
S	1	2-5	3	7	9	do.	do.	do.	7&10 9&12
T	1	2-5	3	8	9	do.	do.	do.	8&10 9&11

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in Kilo Ohms.

Class C Load in Kilo Ohms.

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3	T	S	R	R	Q	Q	P	P	N	N	N			
4	T	S	S	R	R	Q	Q	Q	P	P	P	N	N	N
5		T	S	S	R	R	R	Q	Q	Q	Q	P	P	P
6		T	T	S	S	R	R	R	R	Q	Q	Q	Q	Q
7	K	H	F	E	D	C	B	B	B	A	A	A	A	A
8	K	J	G	F	E	D	C	B	B	B	A	A	A	A
9	L	J	H	G	E	E	D	C	B	B	B	B	A	A
10	L	K	H	G	F	E	D	D	C	B	B	B	B	B
11	L	K	J	H	G	F	E	D	D	C	B	B	B	B
12	M	L	J	H	G	F	E	E	D	D	C	C	B	B
13	M	L	J	J	H	G	F	E	E	D	D	C	C	B
14	M	L	K	J	H	G	F	F	E	E	D	D	C	C
15	M	L	K	J	H	H	G	F	E	E	D	D	D	C

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 lines corresponding to the modulator plate
 load and class C load and then refer to data
 sheet No. 2 for transformer connections.