

TMC PART NUMBER	REF. TMC PART NO.	USED ON	QUAN.	REF. SYMBOL	CORE (ITEM 1)	PRIMARY TURNS	WIRE (ITEM 2)	TAP AT	SEC. TURNS	SEE PICTORIAL NO.	PRIMARY IND.	TEST FREQ. IND.	IND. TOL.	"Q" MIN UNLOADED	TEST FREQ. (MC)	COLOR CODE
A-3223-1	TZ-127	ALL TTRR'S	1 EACH	T105, T205, T305, T405	CI-127-1	33	WI-123-28			1	4.5	7.9 MC	10%	140	3.5	RED, VIOLET
A-3223-2	TZ-128	TTRR-1	1	T101	CI-127-4	141	WI-123-34		3	2	108	2.5 MC	10%	180	2	RED, GRAY
A-3223-3	TZ-129	TTRR-1	2	T102, T103	CI-127-5	42	WI-123-28	4	-	3	117	2.5 MC	10%	180	2	RED, WHITE
A-3223-4	TZ-130	TTRR-1	1	T104	CI-127-5	42	WI-123-28	4	3	4	117	2.5 MC	10%	180	2	ORN., BLK.
A-3223-5	TZ-131	TTRR-2	1	T201	CI-127-4	75	WI-123-34		2	2	31	2.5 MC	10%	120	4	ORN., BRN.
A-3223-6	TZ-132	TTRR-2	2	T202, T203	CI-127-5	20	WI-123-28	2		3	30	2.5 MC	10%	150	4	ORN., RED
A-3223-7	TZ-133	TTRR-2	1	T204	CI-127-5	20	WI-123-28	2	1	4	30	2.5 MC	10%	150	4	ORN., ORN.
A-3223-8	TZ-134	TTRR-3	1	T301	CI-127-1	42	WI-123-34		3	2	8	7.9 MC	10%	130	8	ORN., YEL.
A-3223-9	TZ-135	TTRR-3	2	T302, T303	CI-127-4	38	WI-123-28	8		3	8.7	7.9 MC	10%	130	8	ORN., GRN.
A-3223-10	TZ-136	TTRR-3	1	T304	CI-127-4	38	WI-123-28	8	1	4	8.5	7.9 MC	10%	140	8	ORN., BLUE
A-3223-11	TZ-137	TTRR-4	1	T401	CI-127-2	24	WI-123-28		2	2	2.1	7.9 MC	10%	150	16	ORN., VIO.
A-3223-12	TZ-138	TTRR-4	2	T402, T403	CI-127-2	22	WI-123-28	5		3	2.0	7.9 MC	10%	150	16	ORN., GRAY
A-3223-13	TZ-139	TTRR-4	1	T404	CI-127-2	24	WI-123-28	5	1	4	2.1	7.9 MC	10%	150	16	ORN., WHITE
A-3223-14	TZ-140															
A-3223-15	TZ-141	ALL TTRT'S	1 EACH	T501, T601, T701, T801	CI-115	15 BIFILAR	WI-123-28		15	5						YELLOW, BROWN
A-3223-16	TZ-142	TTRT-1	1	T502	CI-127-3	113	WI-123-34		4 BIFILAR	7	122	2.5 MC	5%	120	2	YELLOW, RED
A-3223-17	TZ-143	TTRT-1	1	T503	CI-127-3	124	WI-123-34	8	3	8	122	2.5 MC	5%	120	2	YEL., ORN.
A-3223-18	TZ-144	TTRT-1	1	T504	CI-127-3	124	WI-123-34	16	6	8	122	2.5 MC	5%	120	2	YEL., YEL.
A-3223-19	TZ-145	TTRT-1	1	T505	CI-127-3	124	WI-123-34	8 # 12		6	118	2.5 MC	5%	120	2	YEL., GRN.
A-3223-20	TZ-146	TTRT-2	1	T602	CI-127-4	73	WI-123-34		4 BIFILAR	7	29	2.5 MC	15%	120	4	YEL., BLUE
A-3223-21	TZ-147	TTRT-2	1	T603	CI-127-4	74	WI-123-34	4	3	8	29	2.5 MC	15%	120	4	YEL., VIO.
A-3223-22	TZ-148	TTRT-2	1	T604	CI-127-4	74	WI-123-34	24	10	8	29	2.5 MC	15%	120	4	YEL., GRAY
A-3223-23	TZ-149	TTRT-2	1	T605	CI-127-4	77	WI-123-34	5 # 7		6	30	2.5 MC	15%	120	4	YEL., WHITE
A-3223-24	TZ-150	TTRT-3	1	T702	CI-127-1	48	WI-123-28		4 BIFILAR	7	9.8	7.9 MC	10%	200	8	GRN., BLK.
A-3223-25	TZ-151	TTRT-3	1	T703	CI-127-1	42	WI-123-28	4	2	8	8.5	7.9 MC	10%	200	8	GRN., BRN.
A-3223-26	TZ-152	TTRT-3	1	T704	CI-127-1	48	WI-123-28	10	6	8	9.8	7.9 MC	10%	200	8	GRN., RED
A-3223-27	TZ-153	TTRT-3	1	T705	CI-127-1	42	WI-123-28	6 # 11		6	8.5	7.9 MC	10%	200	8	GRN., ORN.
A-3223-28	TZ-154	TTRT-4	1	T802	CI-127-1	20	WI-123-28		2 BIFILAR	7	1.8	7.9 MC	10%	200	16	GRN., YEL.
A-3223-29	TZ-155	TTRT-4	1	T803	CI-127-1	21	WI-123-28	5	4	8	1.9	7.9 MC	10%	200	16	GRN., GRN.
A-3223-30	TZ-156	TTRT-4	1	T804	CI-127-1	21	WI-123-28	5	7	8	2.3	7.9 MC	10%	180	16	GRN., BLUE
A-3223-31	TZ-157	TTRT-4	1	T805	CI-127-1	21	WI-123-28	2 # 4		6	2.0	7.9 MC	10%	185	16	GRN., VIO.
A-3223-32	TZ-158															GRN., GRAY
A-3223-33	TZ-159															GRN., WHITE
A-3223-34	TZ-160															BLUE, BLK
A-3223-35	CL-342	FX208	2	L1, L6	CI-127-5	15	WI-141-22	-	-	1	15	2.5 MC	2%	150	2.5	BLUE, BRN
A-3223-36	CL-343	FX208	2	L2, L5	CI-127-5	18	WI-141-22	-	-	1	22	2.5 MC	5%	150	2.5	BLUE, RED
A-3223-37	CL-344	FX208	2	L3, L4	CI-127-5	20	WI-141-22	-	-	1	27	2.5 MC	5%	150	2.5	BLUE, ORN
A-3223-38	CL-350	FX-211	2	L2, L3	CI-127-5	72	WI-141-30-9	-	-	1	360mh	795 KC	5%	155	795 KC	BLUE, YEL.
A-3223-39	CL-351	FX-211	2	L1, L4	CI-127-5	35	WI-141-24-3	-	-	1	89mh	2.52 MC	5%	150	2.52 MC	BLUE, GRN.

COLOR CODE MARKING

REVISIONS

ZONE	SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
#	A	TEST FREQ. IND. COL. ADDED, A-3223-12, PRI. TURNS & PRI. IND. REV. A-3223-15, ITEM 2 CHGD. A-3223-27 TAP WAS 3 # 5, A-3223-28, 29, 30, 31, PRI. TURNS, TAPS, SEC. TURNS, PRI. IND. & MIN. REVISED. STEP 3: 1/4 WAS 1/8, WIRING CHGD. ON # 2, 4 & 8, ON # 7 F1 WAS F2.	8/22/64	11524			
-	B	A-3223-35, 36, 37 ADDED.	8-4-64	12020			
-	C	PICT. # 5, # 7 & # 8 REVISED; TMC P/N CHART UPDATED.	1-15-65	13254			
-	D	A-3223-38, 39 ADDED.	3-11-65	13674			
-	E	REVISED STEP 5 OF WINDING PROCEDURE ON "Q" MIN UNLOADED IT. 3 & 4 WERE 210, IT 4 & 7 WERE 110/164	11/10/66	17238			

NO. 1

NO. 2

NO. 3

NO. 4

NO. 5

NO. 6

NO. 7

NO. 8

WINDING PROCEDURE

1. WIND PRIMARY AND SECONDARY WIRE ON CODE AS INDICATED PER CHART.
2. MAKE TAPS BY BRINGING WIRE AWAY FROM CORE 3 INCHES AS A LOOP.
3. CLEAN AND TIN ALL LEADS TO WITHIN 1/4 OF CORE AND TWIST WIRES OF TAP.
4. COLOR CODE CORE AS INDICATED IN DETAIL SHOWN ABOVE.
5. CHECK INDUCTANCE WITH Q METER CONNECTED TO LEADS 1/2 INCH FROM TORROID. ADJUST IF NECESSARY BY BUNCHING OR SEPARATING TURNS OR ADDING OR REMOVING TURNS FROM FINISH (NOT START).
6. BAKE FOR 1/2 HOUR AT 125°F. TO REMOVE MOISTURE.
7. COAT CORE AND COIL WITH "Q" DOPE (ITEM 4) AND BAKE FOR 1/2 HOUR AT 125°F.

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
X	4	GL-130	ADHESIVE, 'Q' DOPE	
X	3	BS-100	SOLDER, SOFT	
X	2	SEE CHART	WIRE,	
1EA	1	SEE CHART	CORE, TORROID	

LIST OF MATERIAL

MATERIAL	FINISH	TITLE
---	---	TZ-127 THRU TZ-160 ASSY.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

QTY/UNIT	MODEL USED ON	ASS'Y. NO.	SCALE	CODE	DRAWN	DATE	FINAL APPROVAL	DATE
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS	FRACTIONS	TOLERANCES
X ± .05	± 1/16	---
XX ± .01	ANGLES	---
XXX ± .005	± 0° 30'	---

DATE: 1/13/64
SHEET: 1
REV. LTR.: E