

PHASE DETECTOR MODULE

MODEL

AX475

REV

TITLE

USED ON

MODEL

SECTION

QTY

LFS-1

1

LIST SECTIONS

- 1.SUPPORTING NOTES
- 2.SUPPORTING LISTS
- 3.ELECTRICAL/MECHANICAL
- 4.SUPP ASSY/REF DWGS
- 5.SPECIFICATIONS
- 6.LOOSE ITEMS
- 7.PARTS PECULIAR

SHEET NO.

SEE BELOW

NONE REQ

1-5

6

7

NONE REQ

NONE REQ

800 SERIES
LAST SYMBOLS

C860 L808
CR809 Q817
K801 R873
T801

COMPILED A. KLEIN

CHECKED L. GABEL

APPROVED *O. PDSE*

FNL APPR *L. Gabel*

ISS DATE 1-27-65

MISSING SYMBOLS

NONE

NOTE 1. THE FOLLOWING SYMBOL, #, IN THE REMARKS COLUMN INDICATES THAT THE PART NUMBER IMMEDIATELY FOLLOWING IT IS THE TMC PROPRIETARY MANUFACTURING DRAWING FOR THE CORRESPONDING NUMBER IN THE PART NUMBER COLUMN.

NOTE 2. NOMINAL VALUE OF R842 8.2K MAY BE CHANGED IN TEST.

**MATERIAL LIST /
NUMERICAL PARTS LIST**

REV.

MODEL: AX475

SHEET 1 OF 7

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
A3313-1	PC BD,ETCH	A3313-2			1		
A3313-2	PC BD,MACH	A3313-2			1		
A3313-3	PC BD,MKG	A3313-4			1		
A3313-4	PC BD,SUBASSY	A3313-5			1		
BS100	SOLDER,TIN ALY	A3313-5					
CC100-31	CAP.,FXD,CER	A3508			1	C845	
CC112R474M	CAP.,FXD,CER	A3313-5		4		C801,804,806,807	
		A3313-5		4		C808,810,811,812	
		A3313-5		4		C813,814,815,816	
		A3313-5		4		C817,818,819,820	
		A3313-5		5		C821,822,823,825,826	
		A3313-5		4		C827,828,829,830	
		A3313-5		4		C831,832,833,834	
		A3313-5		4		C838,839,840,842	
		A3313-5		4		C843,849,850,851	
		A3313-5		4		C852,853,854,855	
		A3313-5		4		C856,857,858,859	
		A3313-5		1	46	C860	
CE105-10-15	CAP.,FXD,ELECT.	A3313-5			5	C802,803,805,809,824	
CE105-50-15	CAP.,FXD,ELECT.	A3313-5			1	C844	
CE106	CAP.,FXD,ELECT.	A3313-5			2	C835,836	
CE107-1	CAP.,FXD,ELECT.	A3313-5			4	C837,841,847,848	
CF135-6	FORM,COIL,2 FLG	A3508			1		
CI11903N	CORE,CUP	A3508			2		
CL226-1	COIL,RF,FXD	A3313-5			2	L804,808	

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SHEET 2 OF 7

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
CL275-101	COIL, RF, FXD	A3313-5			2	L801,807	
CL275-471	COIL, RF, FXD	A3313-5			1	L805	
CL275-473	COIL, RF, FXD	A3313-5			3	L802,803,806	
CN112A105K2	CAP., FXD, MTLZ P	A3313-5			1	C846	
FS118-2	LATCH, SNAPSLIDE	MS3610			2		
FS119-3	LATCHGUIDE, SNPSL	MS3610			2		
FS120-2	POST, SNAPSLIDE	MS3610			2		
FS122-1	STUD, TURNLOCK	MS3609			2		
FW06HBN	WASH., FLAT	MS3610			2		
GL103	ADHESIVE -N-CEL	A3508					
GL128-6	POTTING COMP	A3508					
GL129	ADHESIVE	A3508					
GL130	ADHESIVE -Q-DOPE	A3508					
LWE04MRN	WASH., LK, EXT	A3313-5			2		
MS3421	COV, SIDE	AX475			1		
MS3609	FR, MTG, PC BD	A3642			1		
MS3610	COV, TOP	AX475			1		
NT129-440-4	NUT, PLN, SPLINE	MS3609			4		
NT144-0440	NUT, PLN, SPLINE	A3313-4			4		

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SHEET 3 OF 7

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
NTH0440BN6	NUT,PLN,HEX	A3313-5			2		
RC20GF100J	RES,FXD,COMP	A3313-5			1	R809	
RC20GF101J	RES,FXD,COMP	A3313-5			1	R813	
RC20GF102J	RES,FXD,COMP	A3313-5			1	R840	
RC20GF103J	RES,FXD,COMP	A3313-5 A3313-5		4 3	7	R801,803,806,808 R846,867,868	
RC20GF105J	RES,FXD,COMP	A3313-5			1	R873	
RC20GF122J	RES,FXD,COMP	A3313-5			5	R816,820,821,825,845	
RC20GF123J	RES,FXD,COMP	A3313-5			2	R805,830	
RC20GF151J	RES,FXD,COMP	A3313-5			1	R838	
RC20GF153J	RES,FXD,COMP	A3313-5			2	R839,864	
RC20GF222J	RES,FXD,COMP	A3313-5 A3313-5		3 3	6	R804,827,853 R863,866,869	
RC20GF224J	RES,FXD,COMP	A3313-5			1	R849	
RC20GF272J	RES,FXD,COMP	A3313-5			3	R810,811,835	
RC20GF273J	RES,FXD,COMP	A3313-5			1	R870	
RC20GF331J	RES,FXD,COMP	A3313-5			1	R862	
RC20GF332J	RES,FXD,COMP	A3313-5			5	R844,852,854,857,858	
RC20GF392J	RES,FXD,COMP	A3313-5			4	R802,807,831,833	
RC20GF393J	RES,FXD,COMP	A3313-5			1	R851	

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
RC20GF470J	RES ,FXD ,COMP	A3313-5			1	R847	
RC20GF471J	RES ,FXD ,COMP	A3313-5			4	R829,836,841,865	
RC20GF472J	RES ,FXD ,COMP	A3313-5		4	8	R819,828,832,834 R843,855,859,860	
RC20GF473J	RES ,FXD ,COMP	A3313-5			2	R850,872	
RC20GF562J	RES ,FXD ,COMP	A3313-5			1	R837	
RC20GF682J	RES ,FXD ,COMP	A3313-5			3	R818,823,871	
RC20GF822J	RES ,FXD ,COMP	A3313-5			5	R812,814,817,824,856	
RC20GFXXXJ	RES ,FXD ,COMP	A3313-5			1	R842	NOTE 2
RL143-3	REL,ARM. -MIN	A3313-5			1	K801	
RV111U102A	RES ,VAR-COMP	A3313-5			4	R815,822,826,861	
RW107-15	RES ,FXD ,WW-5W	A3313-5			1	R848	40 OHMS
SC131-0440BN4	SCR,MACH-UNDC	A3642			2		
SCBP0440BN4	SCR,MACH	A3313-5		2	8		
		A3642		2			
		AX475		4			
TA105-1	TAPE,PRESS,SENS	A3508			5		1/2W
TA111-2-2-1.00G	TAPE,URETHANE	MS3610			2		
TA114-1	TAPE,PRESS.SENS	A3508			6		3/8W
TM124-1	TERM.,COLLAR	A3508			1		
TX105	TRANSISTOR	A3313-5		9		Q801 thru 809	
		A3313-5		4	13	Q814 thru 817	

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
WA131-23	WASH.,SPG TENS.	MS3610			2		
WA137-2	RING,RETAINING	MS3609			4		
WI141-31-2	WIRE,ELEC,MAG,T	A3508					SZ 31/RED
WI141-31-5	WIRE,ELEC,MAG,T	A3508					SZ 31/GRN
WI141-36-9	WIRE,ELEC,MAG,T	A3508					SZ 36/NAT
1N34A	SCOND DEV,DIO	A3313-5			2	CR803,804	
1N294	SCOND DEV,DIO	A3313-5		3	3	CR801,802,805	
		A3313-5		3	6	CR806,808,809	
1N2484	SCOND DEV,DIO	A3313-5			1	CR807	
2N214	TRANSISTOR	A3313-5			3	Q811,812,813	
2N396A	TRANSISTOR	A3313-5			1	Q810	

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PART NO.	DESCRIPTION SUPP ASSY/REF DWGS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
A3313-5	PC BD,FNL ASSY	A3642			1		
A3642	AX475 SUBASSY	AX475			1		
AX475	PHASE DET MODL	AX475			1		
CH350	CHART,UNIT BKDN	AX475			1		
CK707	DIAG,SCHEM	AX475			1		
TR184	XFMR,RF,FXD	A3313-5			1	T801	#A3508

**MATERIAL LIST /
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SHEET 7 OF 7

PART NO.	DESCRIPTION SPECIFICATIONS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
S113	FUNGUS PROOFING						
S404	IRIDITE, YEL						
S887	TEST PROC				1		

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