

USED ON

MODEL

SECTION

QUAN.

TER-25K-A-70

E

LIST NO.

REV.

TRANSMITTING ANTENNA DISSIPATOR, W/3-1/8 FLANGE  
(TITLE)

LIST SECTIONS

LAST SYMBOLS

A101  
B104  
C114  
DS106  
F104  
J104  
L102  
P105  
R112  
S103  
TB108  
W103  
XDS106  
XF104

MISSING SYMBOLS

NONE

- 1. ELECTRICAL / MECHANICAL (PG. 1-4)
- 2. HARDWARE (PG. 5-9)
- 3. RAW MATERIALS (PG. 10-11)
- 4. SUPPORTING DRAWINGS (PG. 12)
- 5. SPECIFICATIONS (PG. 13)
- 6. LOOSE ITEMS (PG. 14)
- 7. PARTS PECULIAR NONE REQ.

TYPED 2/16/62

CHECKED LB

APPROVED LB

MATERIAL LIST				REV	A	B	C	D	E									MODEL	TER-25K-A-70		
																		SHEET	1	OF	14
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS													
						USED ON	QUAN.														
1	A-2177-1			Machining, Terminal Board		Base	1														
1	A-2177-2			Lettering, Terminal Board		Base	1														
1	A-2177-3			Sub-Assembly, Terminal Board		Base	1														
4	AD-103-10			Filter, Air		Base	4														
2	BI-100-5I			Lamp, Incandescent	Power XMTR			DS105 DS106													
4	BL-108			Fan, Axial		Base	4	B101,102,103,104													
6	CM20B102K			Capacitor, Fixed, Mica, .001 uf		FH-104-3	4	C109,110,111,112													
						TS-106-1	2	C113,114													
4	CM35B103K			Capacitor, Fixed, Mica, .01 uf		A-2177-4	4	C105,106,107,108													
4	CP41B1FF405K			Capacitor, Fixed, Paper, 4 uf		Base	4	C101,102,103,104													
4	FH-104-3			Fuseholder	Fan 1			DS101, R101, XDS101, XF101													
					Fan 2			DS102, R102, XDS102, XF102													
					Fan 3			DS103, R103, XDS103, XF103													
					Fan 4			DS104, R104, XDS104, XF104													
4	FU-102-2			Fuse, Cartridge, 2 Amp	Fan 1			F101,													
					Fan 2			F102,													
					Fan 3			F103,													
					Fan 4			F104													

MATERIAL LIST				REV	MODEL	TER-25K-A-70		
				REV	SHEET	2	OF	
				REV	14			
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
4	HA-116			Handle, Round		A-2175	4	Supplied & Assembled by Cabinet Mfr.
2	HA-117			Handle, Lifting		A-2175	2	Supplied & Assembled by Cabinet Mfr.
20	HB-101-4B			Plug, Button		A-2175	20	Supplied & Assembled by Cabinet Mfr.
1	JJ-164			Connector, Receptacle, QDS		AJ-100	1	J104 (p/o A101)
1	JJ-242-4S			Connector, Receptacle, 14 Pin, Female		CA-644	1	J101
8	MS-154-1			Plate, Straddle		TM-102 Mtg.	8	
1	MS-1020			Strap, Resistor		A-2175	1	
16	MS-1020			Guard, Wire		A-2175	1	
16	MS-1020			Strap, Resistor		A-2175	1	
8	MS-1985			Bracket, Blower Mounting		Base	8	
2	MS-2059			Bracket, Terminal		A-2344	2	
2	MS-2170			Plate, Mounting, Flange		A-2344	1	
1	MS-2360			Plate, Round, Flange		A-2175	1	
1	MS-2563			Frame, Main		A-2175	1	
1	MS-2364			Panel, Top		A-2175	1	
1	MS-2565-1			Panel, Leftside		A-2175	1	
1	MS-2565-2			Panel, Rightside		A-2175	1	
1	MS-2566			Panel, Rear		A-2175	1	
1	MS-2567			Panel, Front, Top	LD-969	A-2175	1	
1	MS-2569-1			Door, Front, Left		A-2175	1	
1	MS-2569-2			Door, Front, Right		A-2175	1	
1	MS-2570			Base	LD-970	A-2175	1	
4	MS-2573			Retainer, Air Filter		A-2175	4	
1	MS-2574			Plate, Resistor Mounting, Top				

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST				REV	MODEL	TER-25K-A-70			
				A B C D E		SHEET 3	OF 14		
QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS	
						USED ON	QUAN.		
24	MS-2661-1			Strap, Resistor, Contact, Top					
24	MS-2661-2			Strap, Resistor, Contact, Bottom					
4	MS-2662			Bracket, Capacitor, Mounting					
1	MS-2731			Panel, Control	LD-998				
1	MS-2732			Plate, Switch Mounting	LD-997				
1	MS-2803			Bracket, Connector Support		CA-644	1		
1	MS3102A-14S-2P			Connector, Receptacle, Male				J103	
1	MS3420-8A			Bushing, Cable, 7/16 ID		CA-643	1	For P101	
1	MS3420-10A			Bushing, Cable, 9/16 ID		CA-643	1	For P101	
1	NP-176-14			Nameplate, Identification	Comm. Navy			When Required	
1	NP-			Nameplate, Identification					When Required
1	NP-195			Nameplate, High Voltage					
1	PL-133-NG			Connector, Receptacle, AC 3 Wire, Male				J102 (Supply as loose P102) Item when cable P105) assy (CA645-1) Is not to be P101 Supplied.)	
1	PL-134-NG			Connector, Plug, AC, 3 Wire, Female		CA-645-1	1		
1	PL-135-NG			Connector, Plug, AC, 3 Wire, Male		CA-645-1	1		
1	PL-225-4P			Connector, 14 Pin, Male, w/Hood		CA-643	1		
1	PM-727-2			Contact, Cup Type, 70 Ohm, .3-1/8		A-2344	1		
1	PO-223			Flange, 3-1/8		A-2344	1		
4	PX-544-4			Insulator, Terminal Strip		TM-102-4	4		
6	PX-622			Insulator, Top Plate					
1	PX-630			Plate, Cup Contact		A-2344	1		

**MATERIAL LIST**

REV

A B C D E

MODEL TER-25K-A-70

SHEET 4 OF

14

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
2	RC42GF224K			Resistor, Fixed, Composition				R111,112
6	RR-120-420			Resistor, Fixed, Glass				R105,106,107, R108,109,110
6	RY-135-1			Bumper, Rubber		MS-2569-1 MS-2569-2	3 3	Supplied & Assembled by Frame Mfr.
1	ST-103-25-73			Switch, Toggle, DPDT				S101A,B
2	SW-230			Switch, Micro				S102,103
4	TE2520GR24R			Spacer, Threaded, 3/4 D. x 1-3/4 Long		A-2344	4	
4	TM-102-4			Terminal Board, Barrier Type				TB101,102,103, TB104
4	TM-105-4AR			Terminal Board, Fanning Type		CA-644	4	TB105,106,107, TB108
2	TS-106-1			Socket, Lamp, w/Red Lens				XDS105,106
4	WH-100-3			Wheel, Swivel			4	

# MATERIAL LIST

REV

A B C D E

MODEL TER-25K-A-70

SHEET 5 OF 14

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
4	CU-102-3			Clamp, "G" Type, 1/4 ID		CA-644	4	
6	CU-102-4			Clamp, "G" Type, 5/16 ID		Base	2	
12	CU-120-22-SS			Clamp, Hose		Frame	4	
16	FS-102-2			Spring, "S" Type		RR120 Mtg.		
						MS-2570	16	Supplied & Assembled by Frame Mfr.
16	FS-109-3			Ring, Stud Retaining		MS-2573	4	Supplied & Assembled by Frame Mfr.
16	FS-110-1			Stud, Slotted Head		MS-2573	4	Supplied & Assembled by Frame Mfr.
4	FW06HBN			Washer, Flat		CA-644	4	
10	FW08HBN			Washer, Flat		CU-102 Mtg.	6	
						MS-2731 Mtg.	4	
4	FW10HBN			Washer, Flat		MS-2667-1 Mtg.	4	
15	FW25HBN			Washer, Flat		A-2344	15	
6	FW31HBN			Washer, Flat		A-2344	6	
2	FW50HBN			Washer, Flat		Ground	2	
6	LWE04MRN			Washer, Lock, External		MS3102 Mtg.	4	
						TE-102 Mtg.	2	
10	LWE06MRN			Washer, Lock, External		CA-644	4	
						J101 Mtg.	2	
9	LWE08MRN			Washer, Lock, External		CU-102 Mtg.	6	
						PL-133 Mtg.	3	

# MATERIAL LIST

REV

ABCDE

MODEL TER-25K-A-70

SHEET 6 OF 19

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
146	LWE10MRN			Washer, Lock, External		MS-1985 Mtg.	48	
						MS-2564 Mtg.	6	
						MS-2565-1 Mtg.	6	
						MS-2565-2 Mtg.	6	
						MS-2661-2 Mtg.	48	
						MS-2662 Mtg.	8	
						PX-622 Mtg.	24	
32	LWS03MRN			Washer, Lock, Split		FS-102 Mtg.	32	Supplied & Assembled by Frame Mfr.
4	LWS10MRN			Washer, Lock, Split		MS-2667-1 Mtg.	4	
26	LWS25MRN			Washer, Lock, Split		A-2344	16	
						MS-2563 Mtg.	10	
22	LWS31MRN			Washer, Lock, Split		A-2344	6	
						WH-100 Mtg.	16	
1	LWS50MRN			Washer, Lock, Split		Ground	1	
6	NT-129-632-4			Nut, Swage		MS-2732	4	
						MS-2803	2	
4	NT-129-832-4			Nut, Swage		MS-2567	4	Supplied & Assembled by Frame Mfr.
24	NT-129-I032-4			Nut, Swage		MS-2574	24	
32	NTH0348BN6			Nut, Hexagon		FS-102 Mtg.	32	Supplied & Assembled by Frame Mfr.
4	NTH0440BN6			Nut, Hexagon		MS3102 Mtg.	4	

# MATERIAL LIST

REV

A B C D E

MODEL TER-25K-A-70

SHEET 7 OF 14

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
4	NTH0632BN8			Nut, Hexagon		CA-644	4	
3	NTH0832BN8			Nut, Hexagon		PL-133 Mtg.	3	
24	NTH1032BN10			Nut, Hexagon			24	
14	NTH2520BN14			Nut, Hexagon		PX-622 Mtg. A-2344	14	
6	NTH3118BN16			Nut, Hexagon		A-2344	6	
2	SCBP0440BN3			Screw, Machine		TE-102 Mtg.	2	
4	SCBP0440BN6			Screw, Machine		MS3102 Mtg.	4	
24	SCBP0632BN8			Screw, Machine		A-2177 Mtg. CA-644 TM-102 Mtg.	4 4 16	
7	SCBP0832BN6			Screw, Machine		MS-2731 Mtg. PL-133 Mtg.	4 3	
6	SCBP0832BN8			Screw, Machine		CU-102-4 Mtg.	6	
52	SCBP1032BN6			Screw, Machine		Blower Mtg. MS-2569-1 Mtg. MS-2569-2 Mtg. MS-2662 Mtg.	32 6 6 8	
112	SCBP1032BN24			Screw, Machine		A-2177 Mtg.	112	



# MATERIAL LIST

REV A B C D E

MODEL TER-25K-A-70

SHEET 9 OF 14

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
9	TE-109-3			Terminal, Stud		A-2177-3	9	
1	TE-110-5			Terminal, Lug, Solder		A-2177-4	1	
36	TE-120-2			Terminal, Lug, Spade		For Blowers	24	
						CA-409-32	8	
						CA-643	4	
1	TE-159-32959			Terminal, Lug, Solderless		CA-644	1	
1	TE-177			Terminal, Lug, Horseshoe		AJ-100	1	
16	TE-184-1			Spacer, Rivet Type		MS-1985	16	

**MATERIAL LIST**

REV

A B C D E

MODEL TER-25K-A-70

SHEET 8 OF 14

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
109	SCBP1032BN8			Screw, Machine		MS-2564 Mtg.	10	
						MS-2565-1 Mtg.	6	
						MS-2565-2 Mtg.	6	
						MS-2566 Mtg.	9	
						MS-2567 Mtg.	6	
						MS-2661-2 Mtg.	48	
						PX-622 Mtg.	24	
16	SCBP1032BN10			Screw, Machine		MS-1985 Mtg.	16	
10	SCBP2520BN8			Screw, Machine		MS-2563 Mtg.	10	
32	SCFP0348BN5			Screw, Machine		FS-102 Mtg.	32	
4	SCFP0632BN6			Screw, Machine		MS-2372 Mtg.	4	
6	SCFP0632BN8			Screw, Machine		J101 Mtg.	2	
						SW-230 Mtg.	4	
4	SCFP2520BN12			Bolt, Machine		A-2344	4	
12	SCHH2520BN10			Bolt, Machine		A-2344	12	
2	SCHH2520BN24			Bolt, Machine		A-2344	2	
16	SCHH3118BN14			Bolt, Machine		WH-100 Mtg.	16	
6	SCHH3118BN24			Bolt, Machine		A-2344	6	
1	SCHH5020BN16			Bolt, Machine		Ground	1	
8	SFB0440SN3			Screw, Self Tapping		NP Mtg.	8	
2	TE-102-2			Terminal, Turret		For MS-2059	2	
4	TE-108-3			Spacer, Rivet Type, Threaded		A-2177-3	4	

# MATERIAL LIST

REV

A B C D E

MODEL TER-25K-A-70

SHEET 10 OF

1A

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
X	BS-100			Solder, Soft				
X	BS-101			Solder, Silver			CL-285	
	CD-101-1-MW			Cord, Lacing			CA-643	
2	Copper Strap			.040 Thk. x 1/2 W. x 3-1/8 Lg.			CA-644	
	MWC18(16)B0			Cable, Insulated, Fiberglass	Black		CL-285	2
	MWC18(16)B1			Cable, Insulated, Fiberglass	Brown		CA-644	
	MWC18(16)B2			Cable, Insulated, Fiberglass	Red		CA-644	
	MWC18(16)B3			Cable, Insulated, Fiberglass	Orange		CA-644	
	MWC18(16)B4			Cable, Insulated, Fiberglass	Yellow		CA-644	
	MWC18(16)B5			Cable, Insulated, Fiberglass	Green		CA-644	
	MWC18(16)B6			Cable, Insulated, Fiberglass	Blue		CA-644	
	MWC18(16)B7			Cable, Insulated, Fiberglass	Violet		CA-644	
	MWC18(16)B9			Cable, Insulated, Fiberglass	White		CA-644	
	MWC18(16)B91			Cable, Insulated, Fiberglass	Wh/Brown		CA-644	
	MWC18(16)B92			Cable, Insulated, Fiberglass	Wh/Red		CA-644	
	MWC18(16)B95			Cable, Insulated	Wh/Green		CA-644	
0-8	MWC22(7)U0			Cable, Insulated			CA-409-32	2
	PX-100-1-.085			Sleeving, Size 12	Black		CA-643 CA-644	

# MATERIAL LIST

REV

A B C D E

MODEL TER-25K-A-70

SHEET 11 OF 14

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION RAW MATERIALS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
0-10	PX-370-43-7			Sleeving, Teflon, Size 7/16	Natural	CA-643	10	
	TU-100-4N			Tubing, Copper, 1/4 D.		CL-285		
	WI-121-9			Wire, 3 Conductor		CA-645-1		
	WI-127-12			Wire, Magnet		CL-183		
	WI-140E18E1			Wire, Elect, Teflon	Brown	CA-643		
	WI-140E18E2			Wire, Elect, Teflon	Red	CA-643		
	WI-140E18E3			Wire, Elect, Teflon	Orange	CA-643		
	WI-140E18E4			Wire, Elect, Teflon	Yellow	CA-643		
	WI-140E18E5			Wire, Elect, Teflon	Green	CA-643		
	WI-140E18E6			Wire, Elect, Teflon	Blue	CA-643		
	WI-140E18E7			Wire, Elect, Teflon	Violet	CA-643		
	WI-140E18E9			Wire, Elect, Teflon	White	CA-643		
	WI-140E18E91			Wire, Elect, Teflon	Wh/Brn	CA-643		
	WI-140E18E92			Wire, Elect, Teflon	Wh/Red	CA-643		
	WI-140E18E95			Wire, Elect, Teflon	Wh/Grn	CA-643		
0-4	WL-100-7			Wire, Buss, #22		A-2177-4	4	

# MATERIAL LIST

REV A B C D E

MODEL TER-25K-A-70

SHEET 12 OF 14

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SUPPORTING DRAWINGS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	A-2175			Frame & Enclosure Assembly				
1	A-2177-4			Final Assembly, Terminal Board				
1	A-2344			3-1/8 Flange Assembly, 70 Ohm				
1	AJ-100 (1A-1746)			Connector Probe, RF				A101(c/o J104,L101)
4	CA-409-32-2.00			Cable, Assembly, Jumper				
1	CA-643			Cable, Main				W102
1	CA-644			Cable, Base Wiring				W103
1	CK-572			Schematic Diagram				
1	CL-183 (1A-1747)			Coil, RF, Fixed		AJ-100	1	L101 (p/o A101)
1	CL-285 (2A-2379)			Coil, RF Fixed, .135 uhy		A-2344	1	L102
1	LD-969			Lettering, Front Panel, Rear, Top	MS-2567			
1	LD-970			Lettering, Base	MS-2570			
1	LD-997			Lettering, Switch Mounting Plate	MS-2732			
1	LD-998			Lettering, Control Panel	MS-2731			

# MATERIAL LIST

REV

A B C D E

MODEL TER-25K-A-70

SHEET 13 OF

1A

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SPECIFICATIONS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
	S-114			Zinc Chromate Primer				
	S-220			RCAF Blue Gray				
	S-245			Silver Plate, Bright		CL-285		
	S-404			Yellow Iridite		PM-727-2		
	S-423			Iridite, Silver-Kote		PM-727-2		
	<b>S-772</b>			Test Procedure TER-25K-70				

# MATERIAL LIST

REV

A B C D E

MODEL TER-25K-A-70

SHEET 14 OF 14

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION LOOSE ITEMS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	CA-645-1-			Cable Assembly, AC Power ( Supply Only Upon Customer Request)				W101 (c/o P102,105)
1	MS3057-6			Clamp, Cable				For P103
1	MS3106B14S-2S			Connector, Plug	J103 Mate			P103
1	MS3420-4A			Bushing, Cable, 7/32 ID				For P103
1	MS3420-6A			Bushing, Cable, 5/16 ID				For P103
1	PL-149			Connector, Plug, QDS	AJ-100 Mate			P104

