

AD-MU-80 or 78
HIGH PERMEABILITY
MAGNETIC SHIELDS
 for 324 types of
PHOTOMULTIPLIER TUBES

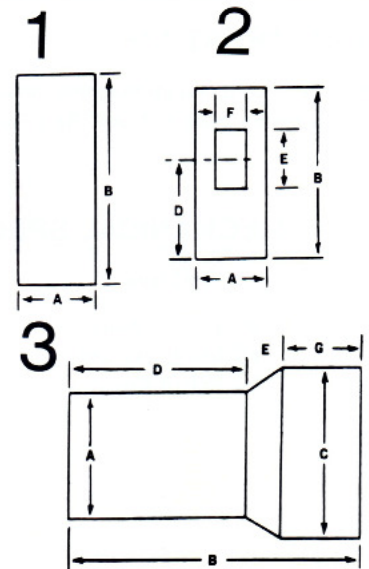
- Maximum shielding effectiveness assured by fully annealed shields.
- Shields for over 90% of currently used types are in stock for immediate delivery.
- For your special application or specific environment, our engineers can either modify a stock shield or custom design a shield to your exact requirement.



PM SHIELD DIMENSIONS

PART NO.	DRAWING	A	B	C	D	E	F	G
P10X40	1	1	4					
P12X45	1	1 1/4	4 1/2					
P13X32M1	2	1 3/8	3 1/4		1 15/16	1 1/8	5/8	
P17X30	1	1 3/4	3					
P17X45	1	1 3/4	4 1/2					
P20X50	1	2	5					
P22X40	1	2 1/4	4					
P22X50	1	2 1/4	5					
P22X60	1	2 1/4	6					
P22X70	1	2 1/4	7					
P23X55Y32	3	2 3/8	5 9/16	3 9/32	3 3/8	11/16		1 1/2
P23X68Y57	3	2 3/8	6 7/8	5 3/4	3	1 7/8		2
P25X50	1	2 1/2	5					
P25X60	1	2 1/2	6					
P25X70	1	2 1/2	7					
P32X80	1	3 1/4	8					
P32X100Y55	3	3 1/4	10	5 1/2	3 1/2	1		5 1/2

Dimensions—all figures are inside measurements
 Material—.040" AD-MU-78—fully hydrogen annealed after forming and welding
 Finish—black baked enamel, flat inside, texture outside



RECOMMENDED SHIELDS FOR SPECIFIC PM TUBES

TYPE NO.	MFR.	SHIELD NO.	TYPE NO.	MFR.	SHIELD NO.	TYPE NO.	MFR.	SHIELD NO.
1P21	R	P13X32M1	541A-08	ER	*	XP1011	A	P17X45
1P22	R	P13X32M1	541B-03	ER	*	CL1015	C	P23X68Y57
1P28A	R	P13X32M1	541D-01	ER	*	XP1020	A	P22X70
1P28A/V1	R	P13X32M1	541D-05M	ER	*	XP1030	A	P23X55Y32
1P28V1	R	P13X32M1	541F-05	ER	*	XP1031	A	P23X55Y32
PM50	To	P25X50	541F-05M	ER	*	XP1032	A	P23X55Y32
50-VP	A M	P17X45	541F-08	ER	*	XP1040	A	*
51-VP	A M	P17X45	541G-08	ER	*	XP1060	Te	P17X45
52-VP	A M P	P12X45	541H-08	ER	*	XP1070	Te	P23X55Y32
53-VP	A M P	P25X50	542A-01	ER	P20X50	XP1080	Te	*
54-VP	A M P	P23X68Y57	542A-05	ER	P20X50	CL1090	C	P22X50
55-VP	M	P25X60	542D-01	ER	P20X50	XP1090	Te	P25X50
56-VP	A M P	P22X70	542F-05	ER	P20X50	XP1110	A	P10X40
57-VP	A M P	*	542F-08	ER	P22X50	XP1111	A	P10X40
58-VP	A M P	*	542G-08	ER	P22X50	XP1112	A	P10X40
60-VP	A	*	542H-08	ER	P22X50	XP1113	A	P10X40
FW118	I	*	543A-01	ER	P22X70	XP1115	A	P10X40
FW129	I	*	543A-05	ER	P22X70	CL1191	C	*
FW130	I	*	543D-01	ER	P22X70	K1209	D	*
FW136	I	*	543F-05	ER	P22X70	K1213	D	*
FW142	I	*	543F-08	ER	P22X70	K1292	D	P25X50
FW143	I	*	544A-01	ER	P32X80	K1295	D	P25X60
150-VP	A M P	P17X45	931A	R	P13X32M1	K1303	D	*
152-VP	A P	P10X40	XP1000	A	P25X50	K1305	D	P25X50
153-VP	A M P	P25X50	XP1001	A	P25X50	K1306	D	P25X50
D224-	EI	P22X60	CL1002	C	P25X50	K1328	D	*
510D-01-03	ER	P10X40	XP1002	A	P25X50	K1361	D	P17X45
541A-01	ER	*	CL1003	C	P23X55Y32	K1384	D	*
541A-05	ER	*	XP1004	A	P25X50	K1386	D	*
541A-05M	ER	*	XP1010	A	P17X45	K1390	D	*

RECOMMENDED SHIELDS FOR SPECIFIC PM TUBES

TYPE NO.	MFR.	SHIELD NO.	TYPE NO.	MFR.	SHIELD NO.	TYPE NO.	MFR.	SHIELD NO.
K1391	D	P23X68Y57	4523	R	P25X50	9618-	EI	*
K1404	D	*	4524	R	P23X55Y32	9623-	EI	*
K1428	D	P25X50	4525	R	P23X68Y57	9634-	EI	P22X50
K1451	D	*	4526	R	*	9635-	EI	P22X60
K1485	D	P23X55Y32	WX4582	W	P10X40	9637-	EI	P22X40
K1527	D	P17X45	WX4383	W	P10X40	9637K	EI	P25X40
K1528	D	P10X40	5819	R	P25X50	9638-	EI	P22X60
K1566	D	P10X40	6094-	EI	P22X40	9643-	EI	P22X50
K1688	D	P25X50	6097-	EI	P22X40	9644-	EI	P22X50
K1927	D	P25X50	6199	R	P17X45	9647-	EI	P22X50
K1961	D	P25X50	6217	R	P25X50	9656-	EI	P22X40
2020	R	P25X50	6255-	EI	P22X50	9656K	EI	P25X50
2060.	R	P17X45	6256-	EI	P22X40	9658-	EI	P20X50
2061	R	P25X50	6291	D	P17X45	9659-	EI	P20X50
2062	R	P25X50	6292	D	P25X50	9664-	EI	P13X32M1
2063	R	P25X50	6328	R	*	9670-	EI	P13X32M1
2064B	R	P23X55Y32	6342A	R	P25X50	9684-	EI	P22X60
2065	R	P23X68Y57	6343	D	P23X68Y57	9698-	EI	P12X45
2067	R	*	6362	D	P10X40	9700-	EI	P12X45
K2142	D	*	6363	D	P23X55Y32	9708-	EI	P23X55Y32
K2167	D	P23X55Y32	6364	D	P23X68Y57	9708K	EI	P23X55Y32
K2173	D	P23X68Y57	6365	D	*	9709-	EI	P23X68Y57
K2190	D	P17X45	6467	D	P17X45	9709K	EI	P23X68Y57
K2199	D	P25X50	6472	D	*	9711-	EI	*
K2227	D	P25X50	6655A	D R	P25X50	9712-	EI	P23X68Y57
K2242	D	P23X55Y32	6810A	D	*	9726-	EI	P22X40
K2244	D	P22X70	6810B/A	R	P25X50	9726K	EI	P25X40
K2253	D	P23X55Y32	6903	R	P25X50	9727-	EI	P22X60
K2276	D	P17X45	6911	D	P25X50	9732-	EI	*
K2284	D	P22X60	6935	D	P10X40	9734-	EI	*
KM2290	D	P22X50	7064	D	P25X50	9750-	EI	P22X50
KM2294	D	P22X50	7065	D	P17X45	9750K	EI	P25X50
KM2328	D	P10X40	C7075J	R	P13X32M1	9758-	EI	P23X55Y32
KM2334	D	P22X60	7102	R	P17X45	9781-	EI	P13X32M1
KM2356	D	P22X40	7117	R	*	9783-	EI	P13X32M1
KM2357	D	P22X50	C7151N/Q/U	R	P17X45	9790-	EI	P23X68Y57
KM2368	D	*	C7164R	R	P25X50	9791-	EI	P23X68Y57
KM2433	D	P22X50	7200	R	*	WL22671	W	P10X40
KM2485	D	P17X45	7264	R	*	WL22779	W	P10X40
KM2487	D	P10X40	7265	R	P22X60	WL30067	W	P12X45
KM2498	D	P23X68Y57	C7268	R	*	C31000-	R	P22X50
F4002	I	*	7326	R	*	C31000K	R	P22X40
F4003	I	P12X45	7664	D	P25X50	C31004A	R	P13X32M1
F4004	I	*	7680	D	P10X40	C31005/B	R	P10X40
F4008	I	P22X50	7696	To	P25X50	C31016A/B	R	*
F4013	I	*	7746	R	P25X50	C31022	R	*
F4027	I	*	7764	R	*	C31024	R	P22X40
F4028	I	*	7767	R	P10X40	C31025-	R	P13X32M1
F4030	I	*	7817	C	P10X40	C70007A	R	P22X60
F4034	I	*	7818	C	P23X55Y32	C70042-	R	P10X40
F4035	I	P25X50	7819	C	P23X68Y57	C70045-	R	*
F4038	I	P23X55Y32	7850	R	P22X60	C70102-	R	P10X40
F4039	I	P23X68Y57	7860	D	P10X40	C70109E	R	*
F4045	I	*	WL7908	W	P10X40	C70114-	R	P17X30
F4046	I	*	WL7909	W	P10X40	C70128	R	P10X40
F4047	I	*	8053	R	P25X50	C70129-	R	*
P&Q4231	B	P22X40	8054	R	P23X55Y32	C70132-	R	P17X30
P&Q4232	B	P22X40	8055	R	P23X68Y57	C70133B	R	P32X100Y55
P&Q4239	B	P22X40	8062	D	P17X45			
P&Q4241	B	P22X50	8571	R	*			
P&Q4242	B	P22X50	8575	R	P22X50			
P&Q4249	B	P22X40	8644	R	P10X40			
P&Q4272	B	P22X50	8645	R	#			
P&Q4282	B	P22X60	8664	R	P22X40			
P&Q4283	B	P22X60	8664/V1	R	P25X70			
WX4288	W	P10X40	8850	R	P22X50			
P&Q4292	B	P22X60	8851	R	P22X50			
P&Q4297	B	P22X50	9502-	EI	P22X40			
WX4288	W	P10X40	9514-	EI	P22X50			
4438	R	P17X30	9524-	EI	P12X45			
4439	R	P17X30	9526-	EI	P12X45			
4440	R	P17X30	9529-	EI	P12X45			
4441/A	R	P17X30	9530-	EI	P23X68Y57			
4459	R	P22X60	9531-	EI	*			
4460	R	P10X40	9545-	EI	*			
4461	R	P17X30	9558-	EI	P22X60			
4463	R	P25X50	9592-	EI	P12X45			
4464	R	*	9594-	EI	P25X70			
4465	R	*	9594U-	EI	P22X60			
4471	R	P13X32M1	9595-	EI	P25X70			
4472	R	P13X32M1	9595U-	EI	P22X60			
4473	R	P13X32M1	9596-	EI	P25X70			
4507	R	P22X50	9598U-	EI	P22X60			
4516	R	P10X40	9597-	EI	P25X70			
4517	R	P17X45	9597U-	EI	P22X60			
4518	R	P25X50	9500-	EI	P12X45			
4521	R	*	9601-	EI	P12X45			
4522	R	P32X100Y55	9603-	EI	P22X50			

NOTES

* Consult AD-VANCE about a special design for this type.

This type is encapsulated in a magnetic shield by RCA. If additional shielding is desired, P10X40 is recommended.

KEY TO TUBE MANUFACTURE CODE

CODE MANUFACTURER

- A AMPEREX ELECTRONIC CORPORATION
- B BAILEY INSTRUMENTS CO., INC.
- C CBS LABORATORIES, INC.
- D FAIRCHILD DU MONT LABORATORIES, INC.
- EI GENCOM DIVISION/EMITRONICS INC.
- ER EMR PHOTOELECTRIC
- I ITT ELECTRON TUBE DIVISION
- M MULLARD LTD.
- P PHILIPS' GLOEILAMPENFABRIEKEN, N. V.
- R RCA/ELECTRONIC COMPONENTS
- Te TELEFUNKEN GMBH
- To TOKYO SHIBAURA ELECTRIC CO., LTD.
- W WESTINGHOUSE ELECTRIC CORP.

The preceding listing has been made as complete as possible, using all information made available to us by the above named tube manufacturers.

We would very much appreciate having any additions, deletions, or corrections brought to our attention for inclusion in future listings.