5 HW HELICAL FILTERS HELIXFILTER

SAMPLE No.	Fo (MHz)	Bandw. -1 dB min. (MHz)	Selectivity + MHz min.	Selectivity -MHz min.	Selectivity dB	Ripple max. (dB)	Loss max. (dB)	Tuning Range (MHz)
5HW-44545A-455	455							
5HW-44545A-460	460							
5HW-44545A-465	465							
5HW-44545A-470	470	8	50	50	18/22	1.0	4.5	445 --- 490
5HW-44545A-475	475							
5HW-44545A-480	480							
5HW-44545A-485	485							
5HW-44545A-490	490							
5HW-47535A-475	475							
5HW-47535A-480	480							
5HW-47535A-485	485							
5HW-47535A-490	490							
5HW-47535A-495	495							
5HW-47535A-500	500	10	50	50	16/20	1.0	4.5	475 --- 510
5HW-47535A-505	505							
5HW-47535A-510	510							
5HW-51035A-515	515							
5HW-51035A-520	520							
5HW-51035A-525	525							
5HW-51035A-530	530							
5HW-51035A-535	535	10	50	50	16/20	1.0	4.5	510 --- 545
5HW-51035A-540	540							
5HW-51035A-545	545							
5HW-52535A-525	525							
5HW-52535A-530	530							
5HW-52535A-535	535							
5HW-52535A-540	540							
5HW-52535A-545	545							
5HW-52535A-550	550	10	50	50	16/20	1.0	4.5	525 --- 560
5HW-52535A-555	555							
5HW-52535A-560	560							
5HW-58080A-585	585							
5HW-58080A-590	590							
5HW-58080A-595	595							
5HW-58080A-605	605							
5HW-58080A-615	615							
5HW-58080A-625	625	10	50	50	15/16	1.0	4.5	580 --- 660
5HW-58080A-635	635							
5HW-58080A-645	645							
5HW-58080A-655	655							
5HW-65535A-670	670	14	50/100	50/100	23/26	1.0	3.5	655 --- 690
5HW-68050A-700	700	16	50/100	50/100	23/26	1.0	3.5	680 --- 730
5HW-73050A-735	735	16	50/100	50/100	23/26	1.0	3.5	730 --- 780

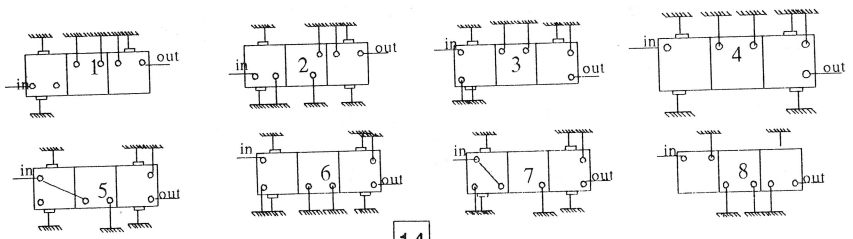
5 HW HELICAL FILTERS HELIXFILTER

SAMPLE No.	Fo (MHz)	Bandw. -1 dB min. (MHz)	Selectivity + MHz min.	Selectivity -MHz min.	Selectivity dB	Ripple max. (dB)	Loss max. (dB)	Tuning Range (MHz)
367MN-101A	650	14	100	100	26	1.0	3.5	635 --- 670
367MN-102A	700	14	100	100	26	1.0	3.5	685 --- 715
367MN-103A	735	16	100	100	26	1.0	3.5	720 --- 750
367MN-104A	765	16	100	100	26	1.0	3.5	750 --- 780
367MN-105A	820	16	100	100	24	1.0	3.5	790 --- 850
367MN-106A	914	18	100	100	24	1.0	3.5	850 --- 915
367MN-107A	959	18	100	100	24	1.0	3.5	915 --- 980
367MN-108A	1010	18	100	100	20	1.0	3.5	980 ---1040
367MN-109A	1070	18	100	100	18	1.0	3.5	1040 ---1100
367MN-110A	1130	18	100	100	16	1.0	3.5	1100 ---1160
367MN-112F	1195	25	100	100	20	1.0	3.5	1160 ---1230
367MN-113F	1305	25	100	100	20	1.0	3.5	1270 ---1340
5HW-35045A-355	355							
5HW-35045A-360	360							
5HW-35045A-365	365	6	50	50	20/25	1.0	4.5	350 --- 395
5HW-35045A-370	370							
5HW-35045A-375	375							
5HW-36535A-370	370							
5HW-36535A-375	375							
5HW-36535A-380	380							
5HW-36535A-385	385	7	50	50	20/25	1.0	4.5	365 --- 400
5HW-36535A-390	390							
5HW-36535A-395	395							
5HW-39545A-400	400							
5HW-39545A-405	405							
5HW-39545A-410	410							
5HW-39545A-415	415							
5HW-39545A-420	420	7	50	50	20/25	1.0	4.5	395 --- 440
5HW-39545A-425	425							
5HW-39545A-430	430							
5HW-39545A-435	435							
5HW-40545A-405	405							
5HW-40545A-410	410							
5HW-40545A-415	415							
5HW-40545A-420	420							
5HW-40545A-425	425							
5HW-40545A-430	430							
5HW-40545A-435	435	7	50	50	20/25	1.0	4.5	405 --- 450
5HW-40545A-440	440							
5HW-40545A-445	445							
5HW-40545A-450	450							
5HW-44545A-445	445							
5HW-44545A-450	450							

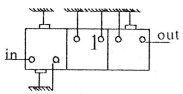
5 HW HELICAL FILTERS HELIXFILTER

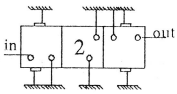
SAMPLE No.	Fo (MHz)	Bandw. −1 dB min. (MHz)	Selectivity + MHz min.	Selectivity −MHz min.	Selectivity dB	Ripple max. (dB)	Loss max. (dB)	Tuning Range (MHz)
5HW−78045A−820	820	16	50/100	50/100	22/24	1.0	3.5	780 --- 825
5HW−82560A−880	880	16	50/100	50/100	21/24	1.0	3.5	825 --- 885
5HW−88560A−914	914	18	50/100	50/100	19/24	1.0	3.5	885 --- 945
5HW−94555A−959	959	18	50/100	50/100	17/24	1.0	3.5	945 --- 1000
5HW−100090A−1010	1010	16	50/100	50/100	14/18	1.0	3.5	1000 --- 1090
5HW−109060A−1130	1130	18	50/100	50/100	14/16	1.0	3.5	1090 --- 1150
5HW−115045F−1195	1195	24	50/100	50/100	18/20	1.0	3.5	1150 --- 1195
5HW−120050F−1225	1225	18	50/100	50/100	20/24	1.0	3.5	1200 --- 1250
5HW−125055F−1305	1305	25	50/100	50/100	18/20	1.0	3.5	1250 --- 1305
5HT−36020AS−360	360	16	50	50	25/33	1.0	4.0	360 --- 380
5HT−38020AS−380	380	16	50	50	24/28	1.0	4.0	380 --- 400
5HT−40020AS−400	400	11	50	50	31/34	1.0	4.0	400 --- 420
5HT−42020AS−420	420	13	50	50	27/32	1.0	4.0	420 --- 440
5HT−44020AS−440	440	14	50	50	25/28	1.0	4.0	440 --- 460
5HT−46020AS−460	460	14	50	50	23/28	1.0	4.0	460 --- 480
5HT−48030AS−480	480	14	50	50	22/26	1.0	4.0	480 --- 510
5HT−49520AS−495	495	15	50	50	22/26	1.0	4.0	495 --- 515
5HT−51535AS−515	515	16	50	50	20/25	1.0	4.0	515 --- 550
5HT−52070AS−520	520	9	50	50	22/25	1.0	4.0	520 --- 590
5HT−59065F−590	590	12	50	50	25/34	1.0	4.0	590 --- 655
5HT−63540F−635	635	12	50	50	28/30	1.0	4.0	635 --- 675
5HT−63545F1−650	650	12	50	50	22	1.0	4.5	635 --- 680
5HT−65550F−655	655	12	50	50	26/30	1.0	4.0	655 --- 705
5HT−66060F1−690	690	12	50	50	20	1.0	4.5	660 --- 720
5HT−70530F−705	705	15	50	50	26/30	1.0	4.0	705 --- 735
5HT−69070F1−735	735	12	50	50	20	1.0	4.5	690 --- 760
5HT−73565F−735	735	15	50	50	24/28	1.0	4.0	735 --- 800
5HT−74060F1−765	765	12	50	50	20	1.0	4.5	740 --- 800
5HT−80030F−800	800	15	50	50	24/28	1.0	4.0	800 --- 830
5HT−77060F1−810	810	12	50	50	20	1.0	4.5	770 --- 830
5HT−83050F−830	830	15	50	50	22/26	1.0	4.0	830 --- 880
5HT−88065F−880	880	15	50	50	20/24	1.0	4.0	880 --- 945
5HT−94535F−945	945	15	50	50	18/22	1.0	4.0	945 --- 980
5HT−98030F−980	980	15	50	50	18/22	1.0	4.0	980 --- 1010
5HT−101045F−1010	1010	15	50	50	14/18	1.0	4.0	1010 --- 1055
5HT−105535F−1055	1055	15	50	50	14/18	1.0	4.0	1055 --- 1090
5HT−109065F−1090	1090	15	50	50	15/17	1.0	4.0	1090 --- 1155
5HT−112570C−1125	1125	15	50	50	18/20	1.0	4.5	1125 --- 1195
5HT−123080C−1230	1230	15	50	50	16/20	1.0	4.5	1230 --- 1310

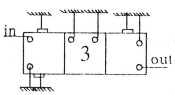
TYPE	F	BANDW. MIN.		SELECT. Fo	MIN.		INS.LOSS dB	INP. OHM		SOCKET
	MHz	-dB	MHz	+MHz	-MHz	dB	MAX.	IN	OUT	
302HEP-696F	280.25	3	7.5	10	10	25/25	7.5	50	50	2
302HEP-697F	287.25	2	7.5	10	10	27/28	7.5	50	50	2
302MXPR-792F1	399.25	1	2.0	10	10	13/15	6.0	50	50	
302HN-016	433	3	23.0	40	40	10/15	4.0	50	50	1
302HN-204D	433	3	5.0	30	30	20/25	5.0	50	50	1
302MN-132D	440	3	8.5	30	30	23/26	3.5	50	50	2
302LNP-813D	440	1	5.0	40	40	24/34	4.0	50	50	
302MN-131D	455	3	9.0	30	30	22/25	3.5	50	50	2
302HN-175D	456	3	6.0	30	30	15/20	5.0	50	50	1
302SN-061A	460	1	12.0	30	30	25/25	3.5	50	50	2
302LNP-782AH	460	1	12.0	30	30	12/20	3.5	50	50	
302LNP-814D	460	1	5.0	40	40	23/33	3.5	50	50	
302LZ-571Q	470	3	30.0	60	60	18/20	2.5	50	50	
302LZ-530Q	479.5	1	30.0	60	60	18/20	2.5	50	50	
302MNP-631A1	479.5	1	20.0	50	50	22/23	3.0	50	50	
302MN-335A	480	1	26.0	50	50	16/15	2.0	50	50	
302MXPR-905S	489.5	1	6.0	30	30	23/30	4.0	50	50	
302MN-355B	600	3	7.0	30	30	20/30	5.0	50	50	3
302MXP-675D	645	1	20.0	50	50	18/25	3.0	50	50	
302HXP-685A	658	1	6.5	35	50	12/18	4.0	50	50	
302MXPR-1225C	510	1	33.0	50	50	9/10	1.5	50	50	
302HN-040B	832	1	25.0	50	50	20/20	4.0	50	50	3
302HN-066B	839.5	1	8.0	30	30	18/18	6.0	50	50	3
302HXPK-825C	878	1	26.0	50	50	17/25	3.5	50	50	3
P302HN-011B	903							50	50	6
302HN-035B	903	1	13.0	50	50	25/25	5.0	50	50	3
302HN-190B	903	1	25.0	50	50	23/30	4.5	50	50	3
302HN-023B	914	2	15.0	40	40	20/20	5.0	50	50	3
302HN-084H	914.5	3	13.0	30	30	19/8	6.0	50	50	5
302HN-130B	914.5	1	11.0	45	45	28/39	6.0	50	50	4
302IN-183H	914.5	3	19.0			31/31	4.0	50	50	7

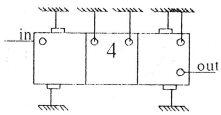


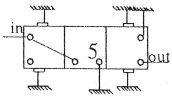
TYPE	F	BANDW. MIN.		SELECT. Fo MIN.			INS.LOSS dB	INP. OHM		SOCKET
	MHz	-dB	MHz	+MHz	-MHz	dB	MAX.	IN	OUT	
302HN-388S	397	1	6.2	20	20	23/29	5	50	50	2
302HN-387S	418	1	6.9	20	20	22/28	5	50	50	2
302MXPR-1106S	433	3	10	40	40	25/35	4.5	50	50	2
302MN-132D	440	3	8.5	30	30	23/26	3.5	50	50	2
302MN-131D	455	3	9	30	30	22/25	3.5	50	50	2
302HN-337S	455	1	4.5	20	20	21/20	5	50	50	2
302SN-061A	460	1	12	30	30	25	3.5	50	50	2
302MN-355B	600	3	7	30	30	20/30	5	50	50	3
302HN-016B	800	3	23	40	40	10/15	3	50	50	1
302HN-040B	832	1	25	50	50	20	4	50	50	3
302HN-066B	839.5	1	8	30	30	18	6	50	50	3
302HN-037B	878	1	20	50	50	20	5	50	50	3
302HN-035B	903	1	13	50	50	25	5	50	50	3
P302HN-011B	903	–	–	–	–	–	2.5	50	50	6
302HN-190B	903	1	25	50	50	23/30	4.5	50	50	3
302HN-023B	914	2	15	40	40	20	5	50	50	3
302HN-130B	914.5	1	11	45	45	28/39	6	50	50	4
302HN-084H	914.5	3	13	30	30	19/8	6	50	50	5
302IN-183H	914.5	3	19	at 959,5MHz		31	4	50	50	7
302HN-062B	930	1	22	50	50	22/30	4	50	50	5
302HN-036B	948	1	17	50	50	20	5	50	50	3
302HN-191B	948	1	25	50	50	18/30	4	50	50	3
302HN-024B	959	2	18	40	40	15	4	50	50	6
302HN-129B	959.5	1	6	45	45	32/40	6	50	50	3
302HN-083H	959.5	3	10	30	30	10/17	6	50	50	5
302IN-182B	959.5	3	11	30	30	16/20	7	50	50	4
302IN-184H	959.5	3	16	at 914,5MHz		31	5	50	50	7
302HN-072B	1034.5	3	28	50	50	21	5	50	50	3

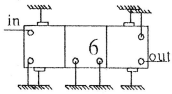


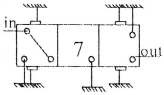


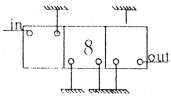






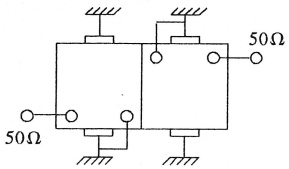




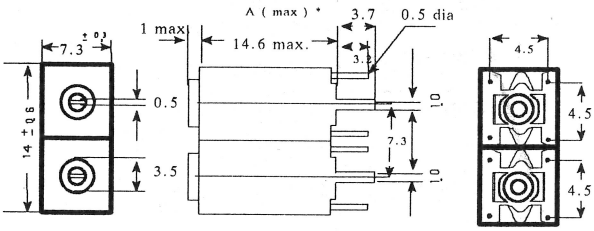


TYPE	TEST F MHz	BAND. -1dB MHz	SELECTIVITY +MHz dB	-MHz dB	dB	RIPPLE (max.) dB	LOSS (max.) dB	TUNING RANGE MHz
7HW-35515A-360	360	7	50	50	25/35	0.5	3.0	355 – 370
7HW-36020A-370	370	7	50	50	25/35	0.5	3.0	360 – 380
7HW-37020A-380	380	7	50	50	20/35	0.5	3.0	370 – 390
7HW-38025A-390	390	7	50	50	20/28	0.5	3.0	380 – 405
7HW-39525A-410	410	7	50	50	18/25	0.5	3.0	396 – 420
7HW-40525A-420	420	7	50	50	18/25	0.5	3.0	405 – 430
7HW-42025A-435	435	8	50	50	18/25	0.5	3.0	420 – 445
7HW-43525A-448	448	8	30	30	12		3.0	
7HW-43525A-450	450	8	50	50	18/25	0.5	3.0	435 – 460
7HW-45025A-460	460	8	50	50	16/20	0.5	3.0	450 – 475
7HW-46025A-470	470	12	30	30	13		2.5	
7HW-46025A-475	475	8	50	50	16/20	0.5	3.0	460 – 485
7HW-47530A-490	490	10	50	50	14/18	0.5	3.0	475 – 505
7HW-49030A-505	505	10	50	50	14/18	0.5	3.0	490 – 520
7HW-51030A-525	525	10	50	50	12/14	0.5	3.0	510 – 540

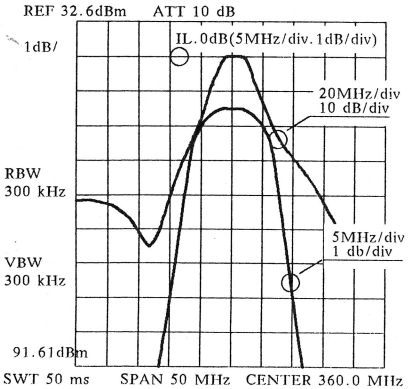
CONNECTION



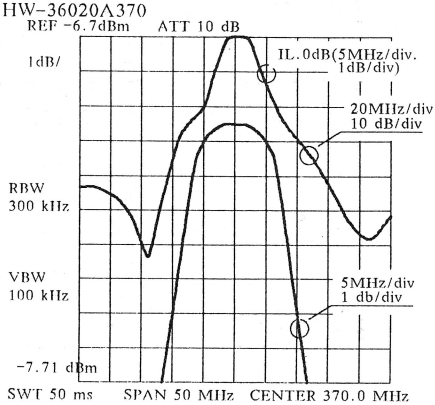
PHYSICAL DIMENSIONS (Unit=mm)



7HW-3555515A-360



7HW-36020A370



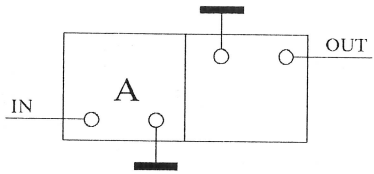
7HW BRASS CORE STANDARD LIST

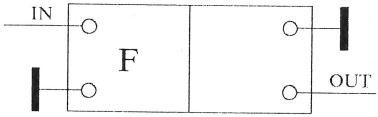
TYPE OLD	TYPE NEW	F MHz	BANDW. -dB	BANDW. MHz MIN.	SELECT. MHz +	SELECT. dB MIN.	IL dB MAX	INP. Ω IN	INP. Ω OUT
	252MX-1544A	367	1	8	30	19/23	3,5	50	50
	252MN-1093A	370	1	5	30	20	4,5	50	50
252MN-1158A 252MN-1454A	252MX-1523A	376	1	8	30	17/20	4	50	50
	252MX-1545A	380	1	8,5	30	19/23	3,5	50	50
	252MX-1546A	385	1	8,5	30	17/21	3,5	50	50
	252MN-1043A	388	1	5	30	18	5	50	50
	252MX-1547A	405	1	9	30	15/20	3,5	50	50
252MN-1277A	252MX-1521A	415	1	7	30	14/18	4	50	50
	252MX-1548A	420	1	10,5	30	14/19	3,5	50	50
252MN-1111A	252MN-1409A	432	1	5	30	18	3,5	50	50
	252MN-1447A	432.1	1	5	30	20	5	50	50
252MN-1132A 252MN-1418A	252MX-1549A	435	1	10,5	30	14/17	3	50	50
252MN-1417A	252MX-1752B	440	1	12	50	25/17	2,5	150	150
	252MX-1754B	440	1	11	50	25/27	2	150	50
252MN-1276A 252MN-1484A	252MX-1597A	448	1	8	30	13	3	50	50
252MX-1550A	252MXPR-2767A	453	1	11,5	30	13/16	2,5	50	50
	252MN-1448F	453.5	1	5	30	20	5	50	50
	252MX-1707A	455	1	6	30	7/10	4	50	50
252HA-1977A	252MNPR-2550A	455	3	10	40	18/23	3.5	50	50
252MN-1141A 252HA-1748A	252HXPK-2738A	456	3	7.0	40	20/25	4.5	50	50
	252MN-1274A	458	1	12	30	12	4	50	50
	252MX-1551A	462	1	12	30	11/14	2,5	50	50
252MN-1127A	252MN-1352A	463	1	10	30	12	2,5	50	50
252MN-1449A	252MNPR-2478F	463.5	1	6	50	25/30	5	50	50
	252MX-1756B	464	1	11	50	21/26	2	50	150
	252MX-1755B	464	1	14	50	22/25	2	150	50
	252MX-1753B	464	1	14	50	22/16	2,5	150	150
252MN-1142A	252MN-1435A	466	1	12	30	12/12	2,5	50	50
252MN-1275A	252MN-1456A	468	1	12	30	12	2,5	50	50
	252MN-1426A	470	1	12	30	12	2,5	50	50
	252MX-1552A	480	1	12,5	30	11/14	2,5	50	50
252MN-1128A	252MN-1355A	484	1	12	30	10	2,5	50	50

TYPE	F	BANDW.		SELECT.			INS.LOSS	INP.	
			MIN	Fo		MIN.	dB	OHM	
	MHz	-dB	MHz	+MHz	-MHz	dB	MAX.	IN	OUT
252 HEP-2385V	304	1	10	30	30	14/18	3.0	50	50
252 HEP-2349V	340	1	10	30	30	14/18	2.5	50	50
252 MXP-2323A	455	1	5	20	20	6/10	5.0	50	50
252 MXPR-2365Y	460	1	9	80	80	32/18	5.0	4.7	4.7
252 MNPR-2478F	463.5	1	6	50	50	25/30	5.0	50	50
252 MXPR-2418A	465	1	5	30	30	10/15	4.5	50	50
252 MX-2183A	472	1	8	30	30	12/14	2.5	50	50
252 MXPR-2474A	479.5	1	20	60	60	12/20	2.5	50	50
252 MX-2059A	480	3	15	60	60	15/20	2.0	50	50
252 MNPR-2479F	484.9	1	6	50	50	25/30	5.0	50	50
252 MN-1450F	484.9	1	6	30	30	20	5.0	50	50
252 MX-1553A	500	1	13	30	30	9/12	2.5	50	50
252 MN-1396A	520	1	12	30	30	9	2.5	50	50
252 MX-1554A	525	1	14	30	30	8/10	2.5	50	50
252 HA-1556F	530	1	7	30	30	21/24	3.5	50	50
252 MX-1555A	540	1	14	30	30	7/10	2.5	50	50
252 HA-1557F	550	1	7	30	30	20/23	3.5	50	50
252 HA-1558F	584	1	7	40	40	23/24	3.5	50	50
252 HA-1559F	600	1	8	40	40	21/23	3.5	50	50
252 HA-1560F	640	1	9	60	60	27/29	3.5	50	50
252 HA-1561F	650	1	9.5	60	60	26/28	3.5	50	50
252 HA-1562F	680	1	10.5	60	60	24/28	3.5	50	50
252 HA-1563F	715	1	11	60	60	24/26	3.0	50	50
252 HA-1564F	750	1	11.5	60	60	23/25	3.0	50	50
252 HA-1565F	785	1	12	60	60	21/22	3.0	50	50
252 HA-1536F	800	1	13	30	30	9	4.0	50	50
252 HA-1455F	811	1	10	60	60	21/27	3.5	50	50
252 HA-1566F	830	1	13.5	30	30	18/20	3.0	50	50
252 HA-1584F	839.5	1	7	60	60	22/28	4.0	50	50
252 HA-1567F	870	1	14	30	30	16/19	3.0	50	50
252 HA-1471F	880	1	15	60	60	17/20	3.0	50	50
252 HN-1354F	903	1	14	50	50	12/14	2.5	50	50
252 HA-1568F	910	1	15	30	30	15/18	3.0	50	50
252HXPK-2533F	914.5	1	10	60	60	19/24	3.0	50	50
252 IN-1773F	914.5	3	18	50	50	15/17	5.0	50	50
252 HA-1591F	929	1	10	60	60	19/24	4.0	50	50
252 HA-1673F	936	1	14	60	60	18/20	4.0	50	50
252 HA-1530F	947.5	1	15	60	60	16/21	3.0	50	50
252 HA-1585F	959.5	1	8	60	60	19/24	4.0	50	50
252 HA-1598F	1034.5	1	11	50	50	16/13	5.0	50	50

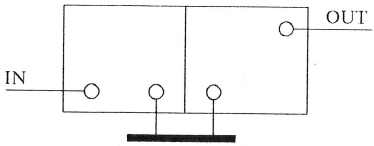
7HW FERRITE CORE STANDARD LIST

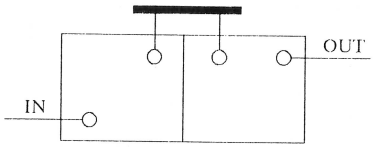
TYPE	F MHz	BANDW. MIN. -dB	BANDW. MIN. MHz	SELECT. Fo +MHz	SELECT. Fo -MHz	SELECT. MIN. dB	INS.LOSS dB MAX.	INP. Ω IN	INP. Ω OUT
252MT- 1101A	332.1	3	7	15	15	12	4	50	50
252MT- 1001A	435	1	8	30	30	18	4	50	50
252MT- 1030A	435	1	15	30	30	12	4	50	50
252MXPR-2745	439	1	6.0	30	30	15	3.5	50	520
252MT- 1306A	441	1	10	30	30	13	4	50	50
252MT- 1098A	453	1	10	30	30	12	4	50	50
252MT- 1099A	463	1	10	30	30	12	5	50	50
252MT- 1090A	470	1	6	30	30	18	5	50	50
252MT- 1058A	470	1	6	30	30	18	5	50	50
252MT- 1100A	484	1	10	30	30	12	6	50	50
252MT- 1091A	520	1	6	30	30	18	4	50	50



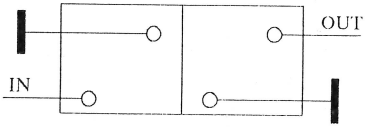


252MX-1756B





252MX-1754/1755B



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