

HARBUCH ELECTRONICS PTY LTD

Incorporated in NSW ACN 001 735 208

Manufacturers of Toroidal & E-I audio & power transformers, broadcast audio products

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INPUT TRANSFORMERS

Part No	Function	Ratio	Electrical Specs	Physical
AT-101	Line i/p	1:1	50K:50K	A-2 can
AT-102	Mic i/p	1:5	200Ω:5K	A-2 can
AT-103	Line i/p	8ct:2ct	180Kct:11.25Kct (current o/p)	A-4 can
AT-104	Mic i/p	1+1:10	50Ω +50Ω:5K	A-2 can
AT-105	Mic i/p	1ct:5	200Ωct:5K	A-2 can
AT-106	Line i/p	1ct:1	50Kct:50K	A-2 can
AT-107	Line i/p	3.2:1	200K:20K	A-2 can
AT-109	Mic split	1ct:1ct	200Ωct:200Ωct	A-2 can
AT-110	Mic split	1ct:1ct:1ct	200Ωct:200Ωct:200Ωct	A-2 can
AT-111	Line i/p	4:1	10K:600Ω	A-2 can
" (A)		4:1ct	10K:600Ωct	A-2 can
AT-112	Line i/p	1:1	25K:25K	A-2 can
AT-113	Line i/p	3.16:1	50K:5K	218x
AT-115	Line i/p	3.16:1	100K:10K	218x
AT-116	Line i/p	1:1	600Ω:600Ω	218x
AT-117	D-I box	12:1	20K:200Ω	A-2 can
AT-119	Line i/p	1:1	10K:10K	EP17
AT-120	Line i/p	1:1	10K:10K	EP20
AT-121	Line i/p	1:1	20K:20K	EP20
AT-122	Mic i/p	1:5	200Ω:5K	EP17
AT-123	Line i/p	1:1	600Ω:600v	187 open
AT-124	Mic i/p	1:10	200Ω:20K	A-2 can
AT-125	Line i/p	1ct:1	600Ωct:600Ω	218x
AT-126	Line i/p	1ct:1	600Ωct:600Ω	A-2 can
AT-127	Line i/p	1+1:1+1	500Ω+500:500Ω+500Ω	A-4 can
AT-128	Mic split	1ct:1ct:1ct	200Ωct:200Ωct:200Ωct	A-4 can
AT-129	Mix split	1ct:1ct+1+1	200Ωct:200Ωct+200v+200Ω	A-4 can
AT-130	Mic split	1ct:1ct	200Ωct:200Ωct	A-4 can
AT-131	Line i/p	1:1	5K:5K	218x
AT-132A	Line i/p	1:1	10K:10K	218x
AT-133	Mic i/p	1:2	150Ω:600Ω	187 open
AT-134	Line i/p	11:10ct	10K:8K2ct	218x
AT-135	Mic i/p	1:2	150Ω:600Ω	A-4 can
AT-136	Line i/p	1:1	50K:50K	Rect can
AT-137	DI box	12:1	20K:200Ω	A-10 can
AT-138	Mic i/p	1:15	150Ω:50K	A-10 can
AT-139	Line i/p	1:1	10K:10K	A-10 can
AT-140	Mic i/p	1:4.08	600Ω:10K	EP20
AT-141	Line i/p	3.24:1	600Ω:50Ω	A-4 can
AT-142	Line i/p	1:1	10K:10K	187 open
AT-143	Line i/p	1:1	10K:10K	A-2 can
AT-144	DI box	12:1	20K:200Ω	EP20
AT-145	Line i/p	1:1	10K:10K	187 horiz
AT-146	TD i/p	1:25	16Ω:10K	A-2 can
AT-147A	Line i/p	2:1	10K:2K5	218x
AT-148	Line i/p	1ct:8.8	600Ωct:50K	A-4 can
AT-149	Mic i/p	1ct:48	0.1Ω:200Ω	A-2 can
AT-151	Mic split	1.7ct:1ct+1+1	200Ωct:65Ωct+65Ω+65Ω	A-2 can
A2TXBRKT			Bracket to suit A-2 & A-4 cans also available	

OUTPUT TRANSFORMERS

Part No	Function	Ratio		Electrical Specs
AT-201	Line drive	1:2	+24dBu	150Ω:600Ω
AT-202	Line drive	1+1:2	+24dBu	150Ω+150Ω:600Ω
AT-203	Line drive	1:1:1:1	+24dBu	4 x 150Ω
" (S)				with copper flux band
AT-204	Line drive	1:1	+24dBu	600Ω:600Ω
AT-205	Amp:line	1:1+1	+16dBm/5Ω	8Ω:8Ω or 32ΩE/S
AT-206	Line drive	1:1+1	+20dBu	150Ω:150Ω+150ΩPCB
" (A)				chassis mnt, flex leads
AT-207	Line drive	1:3	+24dBu	150Ω:1200Ω
AT-208	Line drive	1:3	+24dBu	75Ω:600ΩE/S
AT-209	Line drive	1:4	+24dBu	37.5Ω:600Ω
AT-210	Line drive	1+1:2	+20dBu	150Ω+150Ω:600Ω, chassis mnt, flex leads
" (A)				PCB
AT-211	Line drive	1:1	+20dBu	600Ω:600Ω
AT-212	Amp:line	1:4	100Ω	8Ω:100V
AT-213	Line drive	1:4	+24dBu	37.5Ω:600ΩE/S
AT-214	Line drive	1:1	+20dBu	600Ω:600Ω4KV isol,, no DC
AT-215	Line drive	1+1:2	+20dBu	150Ω+150Ω:600Ω, 4KV isol, no DC, E/S
AT-216	Amp:line	1:6	10Ω	16Ω:70V
AT-217	Line balance	1+1:1+1	+20dBu	150Ω+150Ω:150Ω+150Ω, mu metal can, E/S
AT-219	Line drive	1:1	+24dBu	600Ω:600Ω, 4KV isol, no DC, E/S
AT-220A	Line:spkr		2Ω	70/100V:8Ω, 2, 1, 1/2, 1/4, 1/8Ω
AT-221	Line drive	1:2	+24dBu	10Ω:40Ω, flux band
AT-222	Amp:line	1:12	10Ω	4Ω:70V
AT-223	Line:spkr	5:1	16Ω	70V:8Ω
AT-224	Amp:line	1:10	15Ω	3Ω:70V
AT-225	Line balance	1:3.46	+28dBu	50Ω:600Ω
AT-226	Line balance	1:2.45	+28dBu	100Ω:600Ω
AT-227	Line balance	1:1.41	+28dBu	300Ω:600Ω
AT-228	Line:phones	16:1	50mΩ	4200Ω:18Ω
AT-230	Line:spkr		30Ω	100V:8Ω, 30, 15, 7.5, 3.75, 1.9Ω, PCB
" (A)				QC/solder tabs
AT-231	Line:spkr	6:1	10Ω	100V:16Ω
AT-232	Line:spkr	8.8:1	10Ω	100V:8Ω
AT-233	Amp:line	1:12.5	20Ω	2.5Ω:70V
AT-234	Amp:line	1:18.6	20Ω	2.5Ω:100V
AT-235	Line drive	1:1	+20dBm	150v:150ΩE/S
AT-236	Line drive	1:2	+16dBu	150Ω:600Ω E/S
AT-237	Line drive	1:4	+16dBu	37.5Ω:600ΩE/S
AT-238	Amp:line	1:18	12Ω	3Ω:100V
AT-239	Line balance	1:1	+16dBu	600Ω:600ΩE/S
AT-240	1/2 hybrid	1.41:1+1	+4dBu	600Ω:300Ω+300Ω, no DC, E/S
AT-241	Line balance	1:1	20Ω	70V:70V
AT-242	Amp:line		30Ω	2, 4, 8Ω:100V
AT-243	Amp:line		60Ω	2, 4, 8Ω:100V
AT-244	Amp:line		120Ω	2, 4, 8Ω:100V
AT-245	Spkr isolate		4Ω	8Ω:8Ω tapped at 4Ω, 4KV isolation
AT-246	Spkr isolate		4Ω	4Ω:8Ω tapped at 4Ω, 4KV isolation
AT-247	Line:spkr		30Ω	100V:28Ω
AT-248	Line spitter	1:1x5	+20dBu	120Ω:5 x 600Ω, PCB
AT-249	Line splitter	1:1x3	+24dBu	200Ω:3 x 600Ω, PCB
AT-250	Line isolation	1:1	+20dBu	600Ω:600Ω, PCB, 50mA DC
AT-251	Line isolation	1:1	+20dBu	600Ω:600Ω. PCB, no DC

Part No	Function	Ratio		Electrical Specs
AT-252	Amp:line		40Ω	2, 4, 8Ω100V
AT-253	Amp:line		10Ω	16Ω:100V
AT-254	Induct. loop		15Ω	8Ω:0-2-3.5V + 0-3-3.5V
AT-255	Line:spkr	12:1	7Ω	100V:8Ω
AT-256	Amp:line		15Ω	8Ω:100V
AT-257	Line drive	1ct:1ct	+24dBu	600Ωct:600Ωct, PCB
AT-258	Line:spkr		5Ω	100V:8Ω, 5, 2.5, 1.25Ω
AT-259	Valve o/p		50Ω	4K p-p:1, 4, 8 16Ω, U/L
AT-260	Line:phones	12:1	50mΩ	4K2:100Ω, PCB
AT-261	Amp:line		50Ω	0.35Ω:100V, PCB
AT-262	Spkr isolate	1:1	4Ω	8Ω:8Ω, 4KV isolation
AT-264	Line:spkr		10Ω	100V:8Ω, 20, 15, 10Ω
AT-265	Amp:line		15Ω	12Ω:100V
AT-266	Amp:line		300Ω	2Ω:100V
AT-267	Bell ringer	1+1:2	+30dBu	75Ω+75Ω:300Ω
AT-268	Amp:line		200Ω	4Ω:100V
AT-269	Line:phones	8.66:1	100mΩ	600Ω:8Ω
AT-270	Line:phones	1.35:1	100mΩ	600Ω:250Ω
AT-271	Line drive	1:1.3	6Ω	8Ω:11Ω
AT-272	Line balance	1+1:1+1	+16dBu	150Ω+150Ω:150Ω+150Ω, PCB, E/S
AT-273	Valve o/p		50Ω	3K3 p-p:1, 4, 8, 16Ω, U/L
AT-274	Line:phones		100mΩ	600Ω:8Ω, E/S
AT-275	TOA TA-268		100Ω	6Ωct:0-50-70-100V + 0-4-8-16Ω
AT-276	Spkr isolation		4Ω	25Ω:8Ω, 4KV isolation
AT-277	Line isolation	2:1+1	0dBu	600Ω:150Ω+150Ω, PCB, no DC
AT-278	Amp:line		50Ω	0.35Ω:70V, PCB
AT-279	Valve o/p		250Ω	2K5 p-p:6Ω
AT-282	Line:spkr		30Ω	100V:4Ω, 30, 15, 7.5, 3.75, 1.9Ω
AT-283	Amp:line		60Ω	2.5Ω:8Ω, 70 & 100V
AT-284	Amp:line		120Ω	1.3Ω:16Ω, 70 & 100V
AT-285	Amp:line		100Ω	1Ω:100V
AT-286	Amp:line		5Ω	4Ω:100V, wide band
AT-287	Line o/p		6Ω	25Ω:100Ω @ 1kHz
AT-288	Amp:line		60Ω	4Ω:100V
AT-289	Line:phones		1Ω	100V:50Ω
AT-290	Amp:line		300Ω	4Ω:100Vct
AT-291	Amp:line		200Ω	8Ω:70V
AT-292	Valve o/p		120Ω	4K5 p-p:7Ω, U/L
AT-293	Line:spkr		300Ω	100V:0-4-8Ω
AT-295	Line:spkr		30Ω	0-100-141V:8Ω, 30 & 15Ω
AT-296	Valve o/p		120Ω	2K8 p-p:8Ω
AT-297	Line:spkr		4Ω	25Ω:0-8-16Ω, PCB
AT-298	Line drive		+20dBu	150Ω+150Ω:600Ωct + 300Ω, PCB
AT-299	Spkr isolate		20Ω	8Ω:8Ω
AT-2000	Line isolate		+4dBu	150Ωct:600Ωct, PCB, DC
AT-2001	Line balance		0dBm	150Ω:150Ω, PCB
AT-2002	Line isolate	1:1	0dBu	600Ω:600Ω, PCB, intrinsically safe
AT-2003	Line:spkr		60Ω	875Ω:6.88Ω
AT-2004	Valve o/p		100mΩ	15K:600Ω
AT-2005	Valve o/p		50Ω	3K5 p-p:4, 8, 16Ω
AT-2006	Spkr isolation	1:1	200mΩ	4Ω:4Ω, PCB
AT-2007	Valve o/p		+16dBu	15Kct:600Ωct, E/S
AT-2008	Valve o/p		30Ω	4K4 p-p:15Ω
AT-2009	Amp:line		150Ω	0-4-8Ω:0-70-100V
AT-2010	Line:spkr		30Ω	100V:2Ω
AT-2012	Amp:line		6Ω	6Ω:70V, PCB, wide band
AT-2013	Valve o/p		250Ω	2K5 p-p:0-4-8Ω
AT-2014	Line:spkr		30Ω	0-32-45V:8Ω, 30 & 15Ω
AT-2015	Line balance	1ct:1ct	+16dBu	600Ωct:600Ωct, PCB, E/S, DC

Part No	Function	Ratio		Electrical Specs
AT-2016	Line:spkr		30Ω	100V:32Ω, 30, 20, 10 & 5Ω
AT-2017	Line:spkr		20Ω	25V:8Ω
AT-2018	Line atten.		6.25Ω	100V:50, 25, 12.5, 6.25V
AT-2020	Line drive		+20dBu	37.5Ω:600Ω, PCB
AT-2021	Line:spkr		5Ω	70V:4Ω, 5 & 2.5Ω
AT-2022A	Line:spkr		1Ω	70V:4Ω
AT-2023	Line:spkr		10Ω	100V:8Ω, 10, 5, 2.5, 1.25, 0.6Ω
AT-2024	Line atten.		6.25Ω	70V:35, 17.5, 8.8, 4.4,V
AT-2025	Valve o/p		50Ω	5K p-p:0-4-8-16Ω
AT-2026	Valve o/p		30Ω	3K4 p-p:8Ω, U/L