

PRODUCT TEST REPORT



Report No. :
 Product : A.T.T ZONE MIXING AMPLIFIER
 Model : ZONE-120M
 Purpose of Use :
 Report Date :

Test Result

1) Common Information

	Criteria	Test Result		
		Sample 1	Sample 2	Sample 3
Materials	Fine	Satisfied	Satisfied	Satisfied
Structure	Fine	Satisfied	Satisfied	Satisfied
Parts & Components	Fine	Satisfied	Satisfied	Satisfied
Power Voltage Change	Working fine at $\pm 10\%$	Satisfied	Satisfied	Satisfied
Insulation Resistance	$\geq 3M\Omega$	Satisfied	Satisfied	Satisfied
Dielectric Strength	AC 1,800V / Endure 3 sec	Satisfied	Satisfied	Satisfied

2) Electrical Information

TESTING CONTENT		SPECIFICATION	Test Result		
			Sample 1	Sample 2	Sample 3
RATED OUTPUT POWER (4 Ω)		120 W (T.H.D 1 %)	122	123	123
INPUT SENSITIVITY	MIC(B)1~4	-50dB ± 2 dB	-51	-50	-50
	AUX(B)1~4	-10dB ± 2 dB	-11	-10	-11
	LINE(U)5~6	-16dB ± 2 dB	-16	-16	-16
	AMP IN(U)	0dB ± 2 dB	0	1	0
Frequency Response	MIC	120Hz ~ 10KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	AUX / LINE	80Hz ~ 14KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	SIREN	630Hz (± 100 Hz)	Satisfied	Satisfied	Satisfied
T.H.D	MIC	$\leq 1\%$	0.4	0.5	0.4
	AUX / LINE	$\leq 1\%$	0.5	0.5	0.4
S/N	MIC	≥ 50 dB	56	53	55
	AUX / LINE	≥ 70 dB	72	71	72
TONE CONTROL	BASS	(100HZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
	TREBLE	(10KHZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
PRE OUTPUT		1V (± 0.2 V)	1	1.1	1

- ※ This is to certify that sample submitted by client above has been tested.
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INSPECTED BY Y. S. KIM

CHECKED BY J. G. WON

APPROVED BY Y. S. LEE

PASCOM Co., Ltd. Quality Management Department

1333-32, Gyeongchung-daero, Chowol-eup, Gwangju-si, Gyeonggi-do, Republic of Korea

PRODUCT TEST REPORT



Report No. :
 Product : A.T.T ZONE MIXING AMPLIFIER
 Model : ZONE-240M
 Purpose of Use :
 Report Date :

Test Result

1) Common Information

	Criteria	Test Result		
		Sample 1	Sample 2	Sample 3
Materials	Fine	Satisfied	Satisfied	Satisfied
Structure	Fine	Satisfied	Satisfied	Satisfied
Parts & Components	Fine	Satisfied	Satisfied	Satisfied
Power Voltage Change	Working fine at $\pm 10\%$	Satisfied	Satisfied	Satisfied
Insulation Resistance	$\geq 3M\Omega$	Satisfied	Satisfied	Satisfied
Dielectric Strength	AC 1,800V / Endure 3 sec	Satisfied	Satisfied	Satisfied

2) Electrical Information

TESTING CONTENT		SPECIFICATION	Test Result		
			Sample 1	Sample 2	Sample 3
RATED OUTPUT POWER (4 Ω)		240 W (T.H.D 1 %)	242	241	244
INPUT SENSITIVITY	MIC(B)1~4	-50dB ± 2 dB	-51	-50	-51
	AUX(B)1~4	-10dB ± 2 dB	-10	-10	-11
	LINE(U)5~6	-16dB ± 2 dB	-16	-17	-16
	AMP IN(U)	0dB ± 2 dB	1	0	0
Frequency Response	MIC	120Hz ~ 10KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	AUX / LINE	80Hz ~ 14KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	SIREN	630Hz (± 100 Hz)	Satisfied	Satisfied	Satisfied
T.H.D	MIC	$\leq 1\%$	0.4	0.2	0.4
	AUX / LINE	$\leq 1\%$	0.3	0.5	0.3
S/N	MIC	≥ 50 dB	52	53	55
	AUX / LINE	≥ 70 dB	72	71	72
TONE CONTROL	BASS	(100HZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
	TREBLE	(10KHZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
PRE OUTPUT		1V (± 0.2 V)	1.1	1	1

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PRODUCT TEST REPORT



Report No. :
 Product : A.T.T ZONE MIXING AMPLIFIER
 Model : ZONE-360M
 Purpose of Use :
 Report Date :

Test Result

1) Common Information

	Criteria	Test Result		
		Sample 1	Sample 2	Sample 3
Materials	Fine	Satisfied	Satisfied	Satisfied
Structure	Fine	Satisfied	Satisfied	Satisfied
Parts & Components	Fine	Satisfied	Satisfied	Satisfied
Power Voltage Change	Working fine at $\pm 10\%$	Satisfied	Satisfied	Satisfied
Insulation Resistance	$\geq 3M\Omega$	Satisfied	Satisfied	Satisfied
Dielectric Strength	AC 1,800V / Endure 3 sec	Satisfied	Satisfied	Satisfied

2) Electrical Information

TESTING CONTENT		SPECIFICATION	Test Result		
			Sample 1	Sample 2	Sample 3
RATED OUTPUT POWER (4 Ω)		360 W (T.H.D 1 %)	362	366	362
INPUT SENSITIVITY	MIC(B)1~4	-50dB ± 2 dB	-51	-50	-50
	AUX(B)1~4	-10dB ± 2 dB	-11	-10	-11
	LINE(U)5~6	-16dB ± 2 dB	-16	-16	-16
	AMP IN(U)	0dB ± 2 dB	0	1	0
Frequency Response	MIC	120Hz ~ 10KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	AUX / LINE	80Hz ~ 14KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	SIREN	630Hz (± 100 Hz)	Satisfied	Satisfied	Satisfied
T.H.D	MIC	$\leq 1\%$	0.4	0.6	0.4
	AUX / LINE	$\leq 1\%$	0.5	0.5	0.4
S/N	MIC	≥ 50 dB	56	55	58
	AUX / LINE	≥ 70 dB	73	72	72
TONE CONTROL	BASS	(100HZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
	TREBLE	(10KHZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
PRE OUTPUT		1V (± 0.2 V)	1	1.03	1.01

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PRODUCT TEST REPORT



Report No. :
 Product : A.T.T ZONE MIXING AMPLIFIER
 Model : ZONE-480M
 Purpose of Use :
 Report Date :

Test Result

1) Common Information

	Criteria	Test Result		
		Sample 1	Sample 2	Sample 3
Materials	Fine	Satisfied	Satisfied	Satisfied
Structure	Fine	Satisfied	Satisfied	Satisfied
Parts & Components	Fine	Satisfied	Satisfied	Satisfied
Power Voltage Change	Working fine at $\pm 10\%$	Satisfied	Satisfied	Satisfied
Insulation Resistance	$\geq 3M\Omega$	Satisfied	Satisfied	Satisfied
Dielectric Strength	AC 1,800V / Endure 3 sec	Satisfied	Satisfied	Satisfied

2) Electrical Information

TESTING CONTENT		SPECIFICATION	Test Result		
			Sample 1	Sample 2	Sample 3
RATED OUTPUT POWER (4 Ω)		480 W (T.H.D 1 %)	485	483	483
INPUT SENSITIVITY	MIC(B)1~4	-50dB ± 2 dB	-50	-50	-51
	AUX(B)1~4	-10dB ± 2 dB	-10	-10	-10
	LINE(U)5~6	-16dB ± 2 dB	-17	-16	-16
	AMP IN(U)	0dB ± 2 dB	1	0	0
Frequency Response	MIC	120Hz ~ 10KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	AUX / LINE	80Hz ~ 14KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	SIREN	630Hz (± 100 Hz)	Satisfied	Satisfied	Satisfied
T.H.D	MIC	$\leq 1\%$	0.3	0.2	0.3
	AUX / LINE	$\leq 1\%$	0.3	0.2	0.5
S/N	MIC	≥ 50 dB	51	53	53
	AUX / LINE	≥ 70 dB	71	73	72
TONE CONTROL	BASS	(100HZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
	TREBLE	(10KHZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
PRE OUTPUT		1V (± 0.2 V)	1.1	1	1

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PRODUCT TEST REPORT



Report No. :
 Product : A.T.T ZONE MIXING AMPLIFIER
 Model : ZONE-600M
 Purpose of Use :
 Report Date :

Test Result

1) Common Information

	Criteria	Test Result		
		Sample 1	Sample 2	Sample 3
Materials	Fine	Satisfied	Satisfied	Satisfied
Structure	Fine	Satisfied	Satisfied	Satisfied
Parts & Components	Fine	Satisfied	Satisfied	Satisfied
Power Voltage Change	Working fine at $\pm 10\%$	Satisfied	Satisfied	Satisfied
Insulation Resistance	$\geq 3M\Omega$	Satisfied	Satisfied	Satisfied
Dielectric Strength	AC 1,800V / Endure 3 sec	Satisfied	Satisfied	Satisfied

2) Electrical Information

TESTING CONTENT		SPECIFICATION	Test Result		
			Sample 1	Sample 2	Sample 3
RATED OUTPUT POWER (4 Ω)		600 W (T.H.D 1 %)	601	602	600
INPUT SENSITIVITY	MIC(B)1~4	-50dB ± 2 dB	-50	-50	-50
	AUX(B)1~4	-10dB ± 2 dB	-11	-10	-10
	LINE(U)5~6	-16dB ± 2 dB	-16	-16	-16
	AMP IN(U)	0dB ± 2 dB	0	1	0
Frequency Response	MIC	120Hz ~ 10KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	AUX / LINE	80Hz ~ 14KHz +1dB / -3dB	Satisfied	Satisfied	Satisfied
	SIREN	630Hz (± 100 Hz)	Satisfied	Satisfied	Satisfied
T.H.D	MIC	$\leq 1\%$	0.2	0.2	0.5
	AUX / LINE	$\leq 1\%$	0.3	0.2	0.3
S/N	MIC	≥ 50 dB	52	50	52
	AUX / LINE	≥ 70 dB	71	71	71
TONE CONTROL	BASS	(100HZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
	TREBLE	(10KHZ) 10dB ± 3 dB	Satisfied	Satisfied	Satisfied
PRE OUTPUT		1V (± 0.2 V)	1.1	1	1

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