

Table 5 IRAUDAMP7S Models Differential Table

Item		Model Name				Notes
		AMP7S-55	AMP7S-100	AMP7S-150	AMP7S-200	
IR Power MOSFETS	FET1	IRFI4024H-117P	IRFI4212H-117P	IRFI4019H-117P	IRFI4020H-117P	
Half Bridge Output	8 Ω	25 W x 2	60 W x 2	125 W x 2	250 W x 2	Stereo
	4 Ω	50 W x 2	120 W x 2	250 W x 2	N/A	Stereo
Full Bridge Output	8 Ω	100 W x 1	240 W x 1	500 W x 1	N/A	Bridged
Power Supply	+B, -B	±25 V	±35 V	±50 V	±70 V	
	±B Voltage Range	±3 V	±5 V	±8 V	±10 V	
Audio Gain	Gain	20	30	36	40	
Feedback	R8A,R8B	68k	100k	120k	130 k	
+VAA	R117A* R117B*	1 k, 1 W	2.2 k, 1 W	3.3 k, 1 W	5.1 k, 1 W	
-VSS	R118A* R118B*	1 k, 1 W	2.2 k, 1 W	3.3 k, 1 W	5.1 k, 1 W	
VCC	R114A* R114B*	100,1 W	220, 1 W	1 k, 1 W	2.2 k 1 W	
	R115A R115B	4.7 k	10 k	15 k	20 k	
OCSET	R12A R12B	1.3 k (20 A)	3.9 k (23 A)	7.5 k (30 A)	5.1 k (23 A)	(Trip level)
CSH	R18A R18B	0.0 (20A)	4.7 k (23A)	9.1 k (29A)	8.2 k (23 A)	(Trip level)
VB	R17A R17B	20 k	33 k	47 k	75 k	
OVP	Z100	24 V BZT52C24- TPMSCT-ND	47 V MMSZ5261BT1GO SCT-ND	68 V 568-3782-1-ND	91 V MMSZ5270BT1G OSCT-ND	Zener Digikey P/N
UVP	Z101	12 V MMSZ5242BT1GO SCT-ND	30 V MMSZ5256BT1GO SCT-ND	39 V BZT52C39- TPMSCT-ND	51 V MMSZ5262BT1G OSCT-ND	Zener Digikey P/N
Clamping Diode	D5A D5B D6A D6B	MURA120T3OSCT- ND	MURA120T3OSCT- ND	IMURA120T3OS CT-ND	N/A	

* Marked components are axial, ±5 %, ¼ w, and flame proof type.