

Option products / Accessories

Option

LAMBDA 
DENSEI-LAMBDA

Power Supply Fixture

■ Power Supply Fixture reference chart

Series name	Model name	Type A	Type B	Type L	DIN rail
EWS	EWS15	A—01	B—01	L—01	L—DIN30
	EWS25	A—02	B—02	L—02	L—DIN30
	EWS50	A—03	B—03	L6007	L—DIN50/75
	EWS100	—	—	L6014	—
	EWS150	—	—	L6014	—
	EWS300	—	—	—	—
	EWS600	—	—	—	—
	EWS1500	—	—	—	—
	EWS3000	—	—	—	—
	EWS5000	—	—	—	—
HK	HK10A	—	—	—	L—DIN30
	HK15A	—	—	—	L—DIN30
	HK25A	—	—	L6008	L—DIN30
	HK50A	—	—	L6008	L—DIN30
	HK100A	—	—	L6009A	—
	HK150A	—	—	L6010	—
HR—F	HR—9F	A—05	B—03	L6008	—
	HR—10F	A—06	B—05	L6009A	—
	HR—11F	A—07	B—06	L6010	—
	HR—12F	A—08	B—07	L6011	—
JWS	JWS50	A—21	—	L—09	L—DIN50/75
	JWS75	A—22	—	L—10	L—DIN50/75
	JWS100	A—23	—	L—11	L—DIN100/150
	JWS150	A—24	—	L—12	L—DIN100/150
	JWS300	—	—	—	—
	JWS600	—	—	—	—
	JWS70P	A—23	—	L—11	L—DIN100/150
	JWS120P	A—24	—	L—12	L—DIN100/150
	JWS240P	—	—	—	—
	JWS480P	—	—	—	—
MS	MS—9	—	—	—	—
	MS—10	A—12	—	L—03	—
	MS—11	A—13	—	L—04	—
	MS—12	A—14	—	L—05	—
	MS300	—	—	—	—
PS	PS—10	A—12	—	L—03	—
	PS—11	A—13	—	L—04	—
	PS—12	A—14	—	L—05	—
	PS—14	A—15	—	L—06	—
RWS	RWS15A	—	B—01	L—01	L—DIN30
	RWS30A	—	B—02	L—02	L—DIN30
	RWS50A	—	B—03	L—09	L—DIN50/75
	RWS150A	—	—	—	—
	RWS200A	—	—	—	—
	RWS300A	—	—	—	—
	RWS450A	—	—	—	—

Power Supply Fixture



Type A

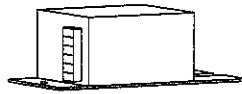
LAMBDA
DENSEI-LAMBDA

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
A-01	EWS15	Material=Aluminum (t=1.6mm)
A-02	EWS25	Material=Aluminum (t=1.6mm)
A-03	EWS50	Material=Aluminum (t=1.6mm)
A-05	HR-9F	Material=Aluminum (t=1.6mm)

Please contact us for the details,if any.

Option

Power Supply Fixture



Type A

LAMBDA
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Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
A-06	HR-10F	Material=Aluminum (t=1.6mm)
A-07	HR-11F	Material=Aluminum (t=1.6mm)
A-08	HR-12F	Material=Aluminum (t=1.6mm)
A-12	MS-10 PS-10	Material=Iron (t=2.0mm)

Please contact us for the details, if any.

Power Supply Fixture



Type A

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Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
A-13	MS-11 PS-11	Material=Iron (t=2.0mm)
A-14	MS-12 PS-12	Material=Iron (t=2.0mm)
A-15	PS-14	Material=Iron (t=2.0mm)
A-21	JWS50	Material=Iron (t=2.0mm)

Please contact us for the details, if any.

Option

Power Supply Fixture



Type A

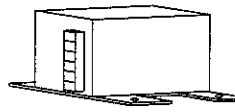
LAMBDA
DENSEI-LAMBDA

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
A-22	JWS75	Material=Iron (t=2.0mm)
A-23	JWS100 JWS70P	Material=Iron (t=2.0mm)
A-24	JWS150 JWS120P	Material=Iron (t=2.0mm)

Please contact us for the details,if any.

Option

Power Supply Fixture



Type B

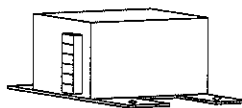
LAMBDA
DENSEI-LAMBDA

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
B-01	EWS15 RWS15A	Material=Aluminum (t=1.6mm)
B-02	EWS25 RWS30A	Material=Aluminum (t=1.6mm)
B-03	EWS50 HR-9F RWS15A	Material=Aluminum (t=1.6mm)
B-05	HR-10F	Material=Aluminum (t=1.6mm)

Please contact us for the details,if any.

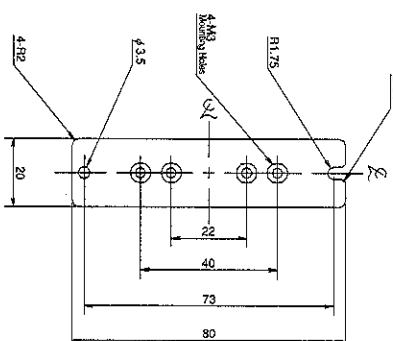
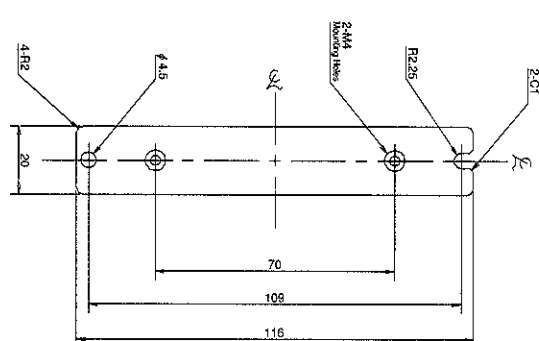
Option

Power Supply Fixture



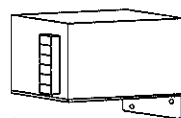
Type B

LAMBDA 
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Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
B-06	HR-11F	 Material=Aluminum (t=1.6mm)1 pair / pce
B-07	HR-12F	 Material=Aluminum (t=1.6mm)1 pair / pce

Please contact us for the details,if any.

Power Supply Fixture



Type L

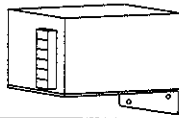
LAMBDA
DENSEI-LAMBDA

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
L-01	EWS15 RWS15A	Material=Iron (t=2.0mm)
L-02	EWS25 RWS30A	Material=Iron (t=2.0mm)
L-03	MS-10 PS-10	Material=Iron (t=2.0mm)
L-04	MS-11 PS-11	Material=Iron (t=2.0mm)

Please contact us for the details, if any.

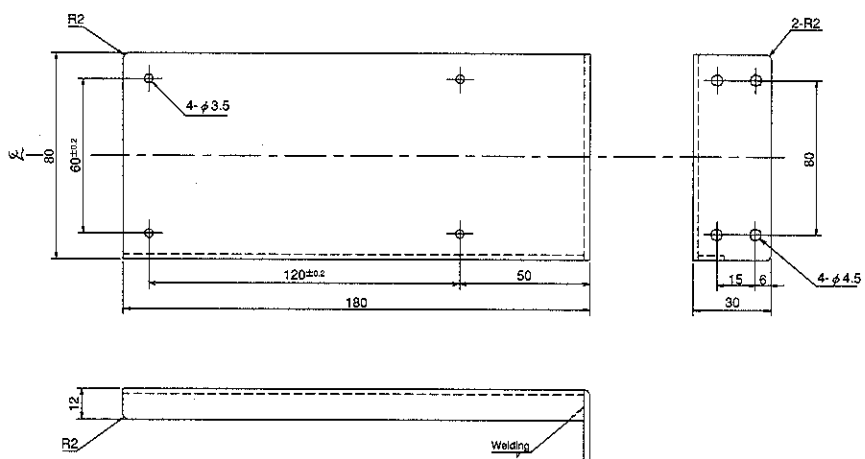
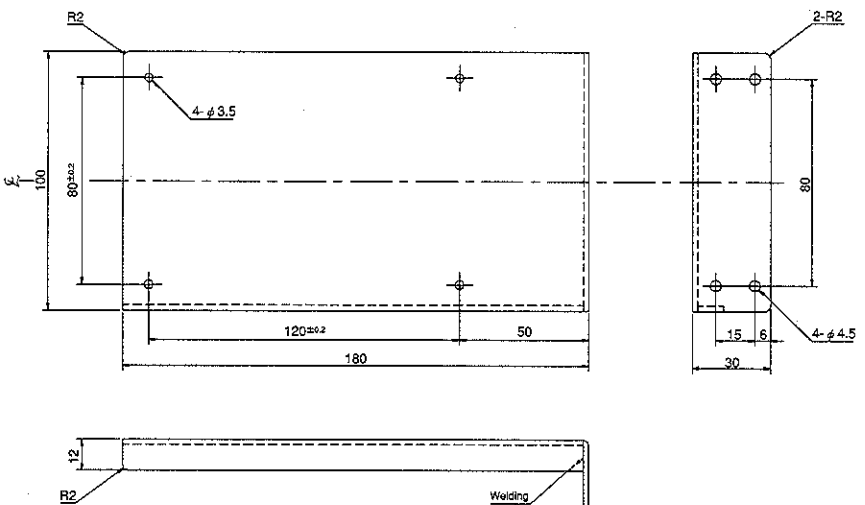
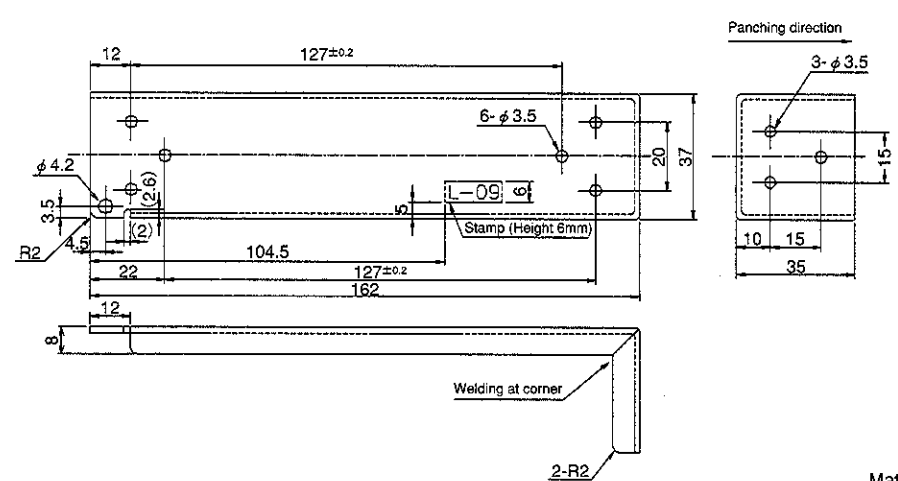
Option

Power Supply Fixture



Type L

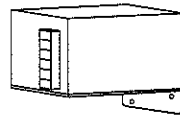
LAMBDA 
DENSEI-LAMBDA

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
L-05	MS-12 PS-12	 Material=Iron (t=2.0mm)
L-06	PS-14	 Material=Iron (t=2.0mm)
L-09	JWS50 RWS50A	 Material=Iron (t=1.6mm)

Please contact us for the details,if any.

Option

Power Supply Fixture



Type L

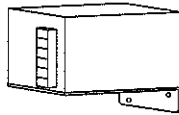
LAMBDA
DENSEI-LAMBDA

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
L-10	JWS75	Material=Iron (t=1.6mm)
L-11	JWS100 JWS70P	Material=Iron (t=2.0mm)
L-12	JWS150 JWS120P	Material=Iron (t=2.0mm)

Please contact us for the details,if any.

Option

Power Supply Fixture



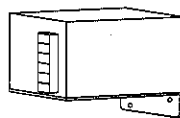
Type L

LAMBDA
DENSEI-LAMBDA

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
L-6007	EWS50	Material=Iron (t=1.6mm)
L-6008	HK25A HK50A HR-9F	Material=Iron (t=2.0mm)
L-6009A	HK100A HR-10F	Material=Iron (t=1.6mm) Please contact us for the details,if any.

Option

Power Supply Fixture



Type L

LAMBDA
DENSEI-LAMBDA

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
L-6010	HK150A HR-11F	Material=Iron (t=2.0mm)
L-6011	HR-12F	Material=Iron (t=2.0mm)
L-6014	EWS100 EWS150	Material=Iron (t=2.0mm)

Please contact us for the details,if any.

Option

Model	Applicable power supply	Outline Drawing and Mounting Method (unit:mm)
L-DIN30	EWS15 EWS25 HK10A HK15A HK25A HK50A RWS15A RWS30A	Technical drawing of L-DIN30 terminal block. Front view shows a 30mm wide block with 3 positions. Side view shows a height of 85mm. Detail views show pin dimensions and mounting hole details. Dimensions include 20, 10, 50, 65, 12.5, 8, 1.0, 7, 11.9, 32.7, 22.4, 16.6, 4.5, 1.1±0.1, 1.5, 2.6, 0.7, 15.5, 10, 12, 38.5, 16, 11, 20.6, 11.5, 12.5, 15, 35, 12.5, 12.5, 17, 45, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 7

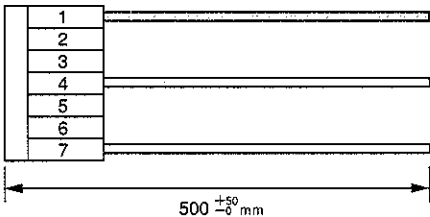
Please contact us for the details,if any.

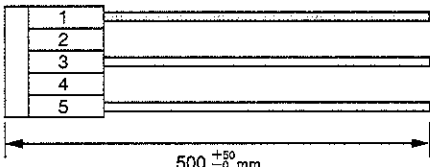
Wire harness

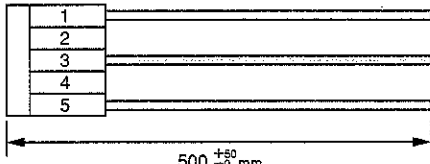
■ Wire harness reference chart

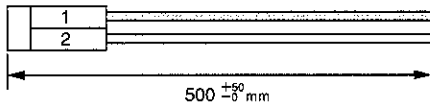
Series	Model	Input harness	Output harness
VS Series	VS10B, VS10C	HA-1-IN	HA-1-OU
	VS15B, VS15C	HA-1-IN	HA-2-OU
	VS30B, VS30C	HA-2-IN	HA-3-OU
	VS50B	HA-2-IN	HA-3-OU
	VS75B	HA-2-IN	HA-4-OU
	VS100B	HA-2-IN	HA-5-OU
	VS150B	HA-2-IN	+ :HA-6-OU — :HA-7-OU
ZWS Series (J option)	ZWS5/J	HA-2-IN	HA-2-OU
	ZWS10/J	HA-2-IN	HA-2-OU
	ZWS15/J	HA-2-IN	HA-2-OU
	ZWS30/J	HA-2-IN	HA-3-OU
	ZWS50/J, ZWS50AF/J	HA-2-IN	HA-3-OU
	ZWS75PF/J, ZWS75AF/J	HA-2-IN	HA-4-OU
	ZWS100PF/J, ZWS100AF/J	HA-2-IN	HA-5-OU
	ZWS120PPF	HA-2-IN	HA-3-OU
	ZWS150PF/J, ZWS150AF/J	HA-2-IN	+ :HA-6-OU — :HA-7-OU
	ZWS300/B or /RB (Except 3V, 5V output)	HA-3-IN	HA-8-OU

■ Wire harness at a glance

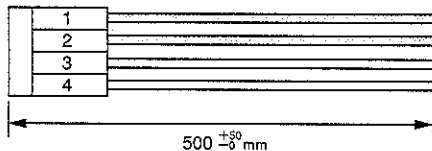
Model name	HA-1-IN		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1007</td><td>22</td><td>Black</td></tr><tr><td>2,3</td><td colspan="3">Extra pin</td></tr><tr><td>4</td><td>UL1007</td><td>22</td><td>White</td></tr><tr><td>5,6</td><td colspan="3">Extra pin</td></tr><tr><td>7</td><td>UL1007</td><td>22</td><td>Green</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1007	22	Black	2,3	Extra pin			4	UL1007	22	White	5,6	Extra pin			7	UL1007	22	Green
Connector pin No.	Material	AWG	Color																								
1	UL1007	22	Black																								
2,3	Extra pin																										
4	UL1007	22	White																								
5,6	Extra pin																										
7	UL1007	22	Green																								
Housing	XHP-7																										
Contacter	SXH-001T-P0.6 (JST)																										

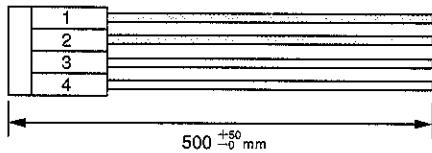
Model name	HA-2-IN		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>2</td><td colspan="3">Extra pin</td></tr><tr><td>3</td><td>UL1015</td><td>18</td><td>White</td></tr><tr><td>4</td><td colspan="3">Extra pin</td></tr><tr><td>5</td><td>UL1015</td><td>18</td><td>Green</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1015	18	Black	2	Extra pin			3	UL1015	18	White	4	Extra pin			5	UL1015	18	Green
Connector pin No.	Material	AWG	Color																								
1	UL1015	18	Black																								
2	Extra pin																										
3	UL1015	18	White																								
4	Extra pin																										
5	UL1015	18	Green																								
Housing	VHR-5N																										
Contacter	SVH-21T-P1.1 (JST)																										

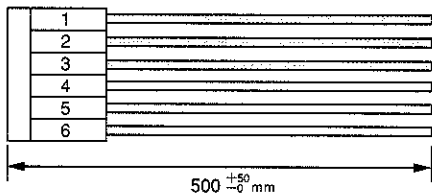
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Connector pin No.	Material	AWG	Color																								
1	UL1015	18	White																								
2	Extra pin																										
3	UL1015	18	Black																								
4	Extra pin																										
5	UL1015	18	Yellow/Green																								
Housing	1-178128-5 1-175218-2 or 1-175218-3 (AMP)																										
Contacter																											

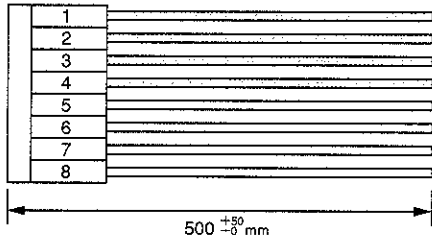
Model name	HA-1-OU		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1007</td><td>22</td><td>Black</td></tr><tr><td>2</td><td>UL1007</td><td>22</td><td>Red</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1007	22	Black	2	UL1007	22	Red
Connector pin No.	Material	AWG	Color												
1	UL1007	22	Black												
2	UL1007	22	Red												
Housing	XHP-2														
Contacter	SXH-001T-P0.6 (JST)														

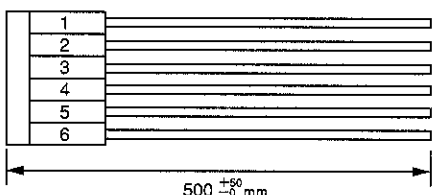
Wire harness

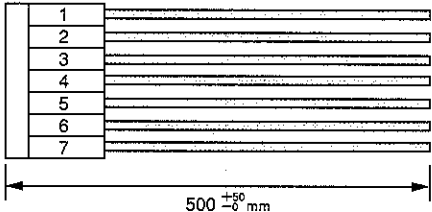
Model name	HA-2-OU		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1007</td><td>22</td><td>Black</td></tr><tr><td>2</td><td>UL1007</td><td>22</td><td>Black</td></tr><tr><td>3</td><td>UL1007</td><td>22</td><td>Red</td></tr><tr><td>4</td><td>UL1007</td><td>22</td><td>Red</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1007	22	Black	2	UL1007	22	Black	3	UL1007	22	Red	4	UL1007	22	Red
Connector pin No.	Material	AWG	Color																				
1	UL1007	22	Black																				
2	UL1007	22	Black																				
3	UL1007	22	Red																				
4	UL1007	22	Red																				
Housing	XHP-4																						
Contacter	SXH-001T-P0.6 (JST)																						

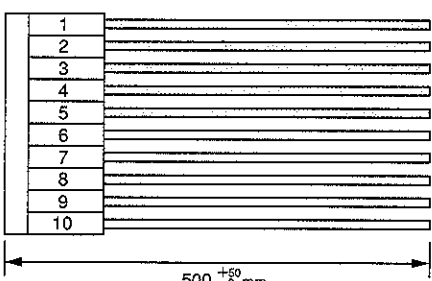
Model name	HA-3-OU		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>2</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>3</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>4</td><td>UL1015</td><td>18</td><td>Red</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1015	18	Black	2	UL1015	18	Black	3	UL1015	18	Red	4	UL1015	18	Red
Connector pin No.	Material	AWG	Color																				
1	UL1015	18	Black																				
2	UL1015	18	Black																				
3	UL1015	18	Red																				
4	UL1015	18	Red																				
Housing	VHR-4N																						
Contacter	SVH-21T-P1.1 (JST)																						

Model name	HA-4-OU		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>2</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>3</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>4</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>5</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>6</td><td>UL1015</td><td>18</td><td>Red</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1015	18	Black	2	UL1015	18	Black	3	UL1015	18	Black	4	UL1015	18	Red	5	UL1015	18	Red	6	UL1015	18	Red
Connector pin No.	Material	AWG	Color																												
1	UL1015	18	Black																												
2	UL1015	18	Black																												
3	UL1015	18	Black																												
4	UL1015	18	Red																												
5	UL1015	18	Red																												
6	UL1015	18	Red																												
Housing	VHR-6N																														
Contacter	SVH-21T-P1.1 (JST)																														

Model name	HA-5-OU		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>2</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>3</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>4</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>5</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>6</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>7</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>8</td><td>UL1015</td><td>18</td><td>Red</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1015	18	Black	2	UL1015	18	Black	3	UL1015	18	Black	4	UL1015	18	Black	5	UL1015	18	Red	6	UL1015	18	Red	7	UL1015	18	Red	8	UL1015	18	Red
Connector pin No.	Material	AWG	Color																																				
1	UL1015	18	Black																																				
2	UL1015	18	Black																																				
3	UL1015	18	Black																																				
4	UL1015	18	Black																																				
5	UL1015	18	Red																																				
6	UL1015	18	Red																																				
7	UL1015	18	Red																																				
8	UL1015	18	Red																																				
Housing	VHR-8N																																						
Contacter	SVH-21T-P1.1 (JST)																																						

Model name	HA-6-OU		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>2</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>3</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>4</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>5</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>6</td><td>UL1015</td><td>18</td><td>Red</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1015	18	Red	2	UL1015	18	Red	3	UL1015	18	Red	4	UL1015	18	Red	5	UL1015	18	Red	6	UL1015	18	Red
Connector pin No.	Material	AWG	Color																												
1	UL1015	18	Red																												
2	UL1015	18	Red																												
3	UL1015	18	Red																												
4	UL1015	18	Red																												
5	UL1015	18	Red																												
6	UL1015	18	Red																												
Housing	VHR-6N																														
Contacter	SVH-21T-P1.1 (JST)																														

Model name	HA-7-OU		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>2</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>3</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>4</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>5</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>6</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>7</td><td>UL1015</td><td>18</td><td>Black</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1015	18	Black	2	UL1015	18	Black	3	UL1015	18	Black	4	UL1015	18	Black	5	UL1015	18	Black	6	UL1015	18	Black	7	UL1015	18	Black
Connector pin No.	Material	AWG	Color																																
1	UL1015	18	Black																																
2	UL1015	18	Black																																
3	UL1015	18	Black																																
4	UL1015	18	Black																																
5	UL1015	18	Black																																
6	UL1015	18	Black																																
7	UL1015	18	Black																																
Housing	VHR-7N																																		
Contacter	SVH-21T-P1.1 (JST)																																		

Model name	HA-8-OU		<table><tr><th>Connector pin No.</th><th>Material</th><th>AWG</th><th>Color</th></tr><tr><td>1</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>2</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>3</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>4</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>5</td><td>UL1015</td><td>18</td><td>Black</td></tr><tr><td>6</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>7</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>8</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>9</td><td>UL1015</td><td>18</td><td>Red</td></tr><tr><td>10</td><td>UL1015</td><td>18</td><td>Red</td></tr></table>	Connector pin No.	Material	AWG	Color	1	UL1015	18	Black	2	UL1015	18	Black	3	UL1015	18	Black	4	UL1015	18	Black	5	UL1015	18	Black	6	UL1015	18	Red	7	UL1015	18	Red	8	UL1015	18	Red	9	UL1015	18	Red	10	UL1015	18	Red
Connector pin No.	Material	AWG	Color																																												
1	UL1015	18	Black																																												
2	UL1015	18	Black																																												
3	UL1015	18	Black																																												
4	UL1015	18	Black																																												
5	UL1015	18	Black																																												
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7	UL1015	18	Red																																												
8	UL1015	18	Red																																												
9	UL1015	18	Red																																												
10	UL1015	18	Red																																												
Housing	1-178288-8 1-175218-2																																														
Contacter	or 1-175218-3 (AMP)																																														

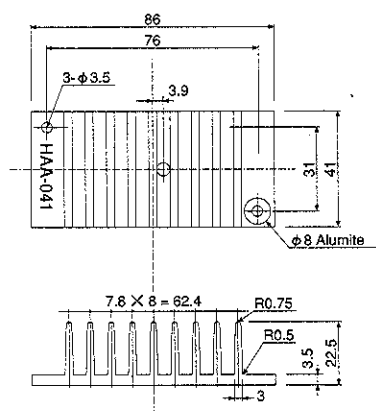
PH Series Heatsink

Reference chart

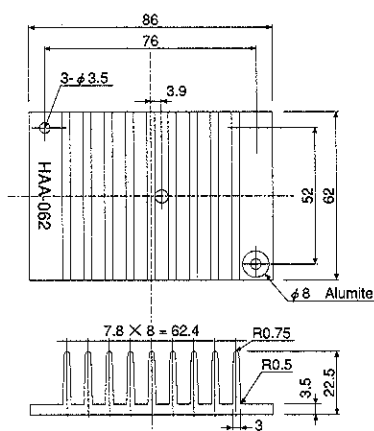
Model	Package type	Size (W·H·Dmm)	Heatsink	Thermal resistance
PH50S	T41	41×12.7×86	HAA-041	3.9°C/W
PH75S				
PH75F	T62	62×12.7×86	HAA-062	3.2°C/W
PH100S				
PH150S	T72	72×12.7×86	HAA-072	3.0°C/W
PH100F	T83	83×12.7×86	HAA-083	2.7°C/W
PH150F				
PH300S				
PH300F	T146	146×12.7×86	HAA-146	1.7°C/W
PH600S				

Outline drawing Material=Aluminum(Black Alumite treatment)

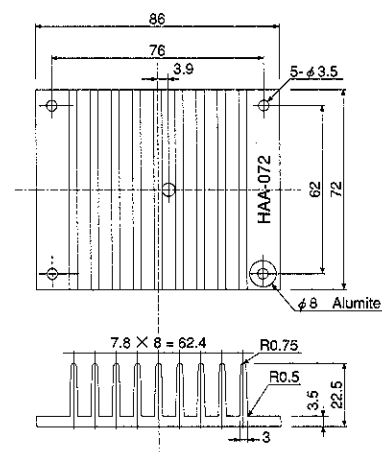
[HAA-041] for [T41]



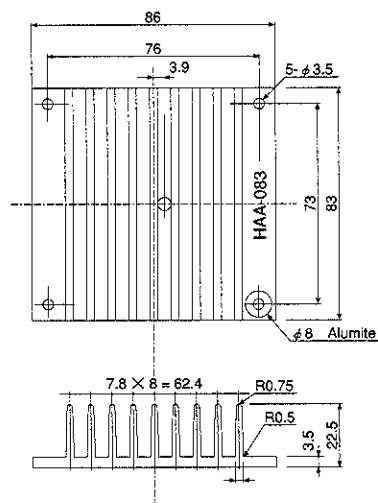
[HAA-062] for [T62]



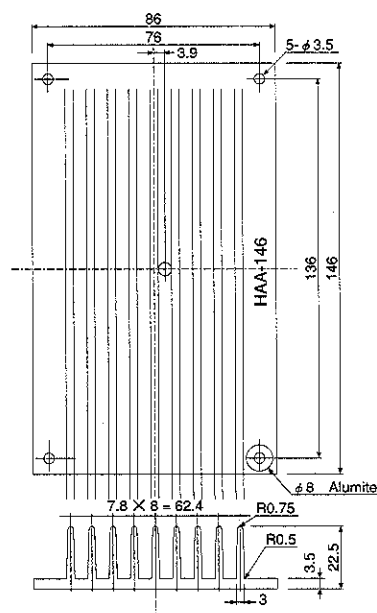
[HAA-072] for [T72]



[HAA-083] for [T83]



[HAA-146] for [T146]



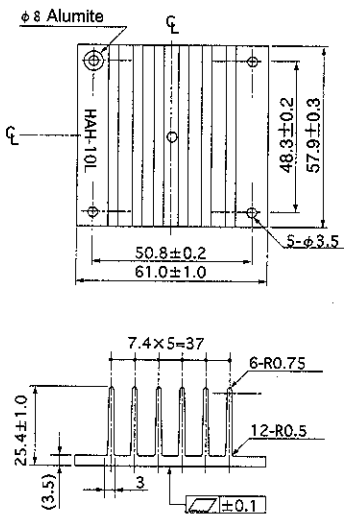
PAH-PAF Series Heatsink

Reference chart

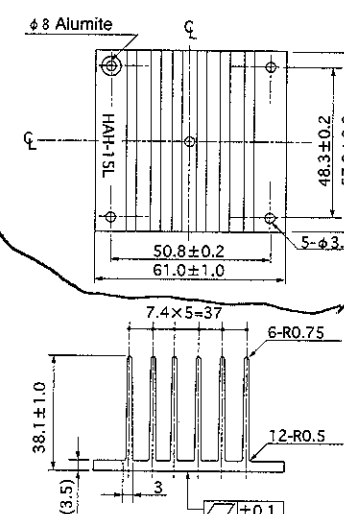
Model	Size (W·H·Dmm)	Heatsink	Thermal resistance
PAH Series	57.9X25.4X61	HAH-10L	4.6°C/W
	57.9X38.1X61	HAH-15L	3.4°C/W
	57.9X25.4X61	HAH-10T	4.5°C/W
PAF Series	116.8X25.4X61	HAF-10L	2.2°C/W
	116.8X38.1X61	HAF-15L	1.9°C/W
	116.8X38.1X61	HAF-15T	1.5°C/W

Outline drawing Material=Aluminum(Black Alumite treatment)

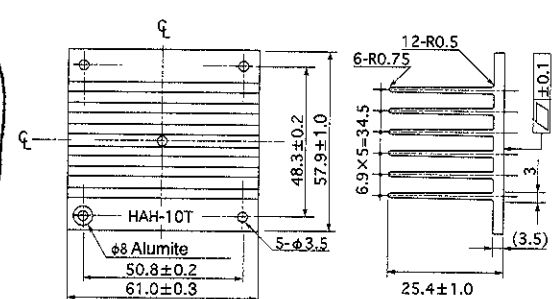
HAH-10L



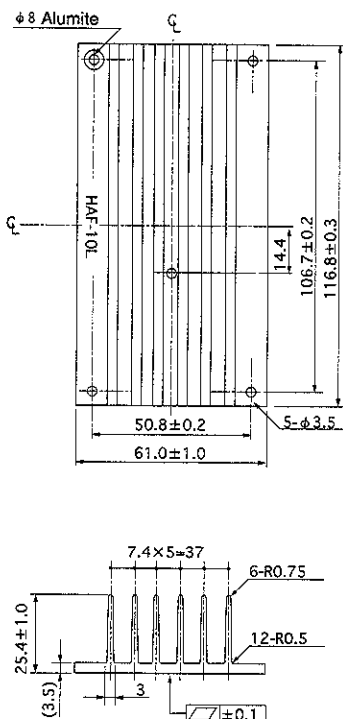
HAH-15L



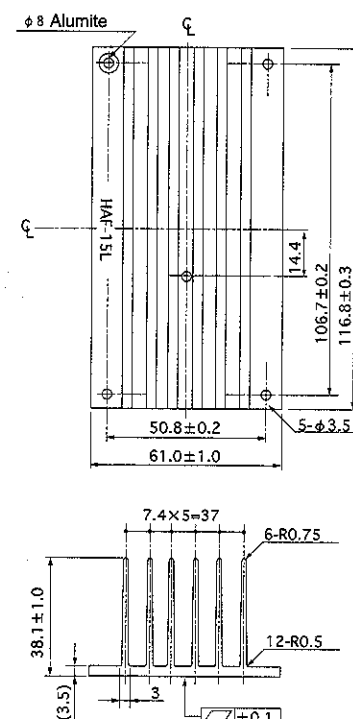
HAH-10T



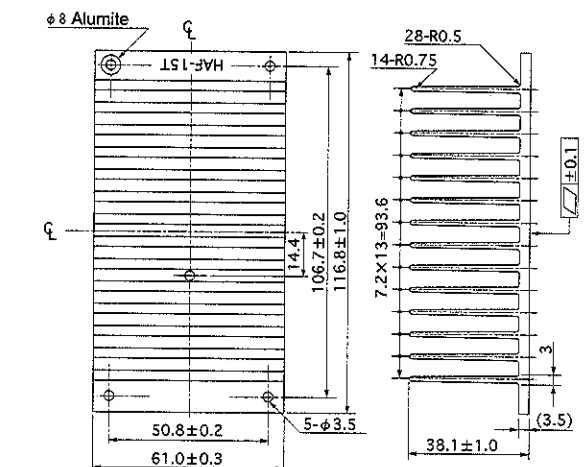
HAF-10L



HAF-15L



HAF-15T



Option

PAH-PAF Series Heatsink

■ Terminal Resistance Characteristics for HAH,HAF Series with Airflow

