



# Product Change Notice (PCN)

Date: **March 13th, 2026**

PCN Number: **PCN-0420237R-01**

To Our Customers:

We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: **HSB38-707025P**

Reason(s) for Change: **Factory Location Change**

Description of Change: **Product re-engineered for improved manufacturability and production yield. See image below for product changes. Cosmetic differences may be visible and not affect the form fit and function of the product.**

PREVIOUS SAME SKY DETAIL / IMAGE					NEW SAME SKY DETAIL / IMAGE																																																																																																																																																																																															
MODEL	Thermal resistance <sup>1</sup>			power dissipation <sup>2</sup>		MODEL	Thermal resistance <sup>1</sup>			power dissipation <sup>2</sup>																																																																																																																																																																																										
	@ 75°C ΔT, nat conve (°C/W)	@ 1 W, nat conve (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conve (W)		@ 75°C ΔT, nat conve (°C/W)	@ 1 W, nat conve (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conve (W)																																																																																																																																																																																									
HSB38-707025P	3.45	4.2	1.2	0.8	21.74	HSB38-707025P	3.50	4.4	1.4	0.9	21.40																																																																																																																																																																																									
<p>Note: <sup>1</sup> See performance curves for full thermal resistance details.</p> <p>Note: <sup>2</sup> See performance curves for full thermal resistance details.</p>																																																																																																																																																																																																				
<p><b>PERFORMANCE CURVES</b></p> <table border="1"> <thead> <tr> <th>Power (W)</th> <th>Mounting Surface Temperature Rise Above Ambient (ΔT = T<sub>MS</sub> - T<sub>A</sub>) (°C)</th> <th>Natural Conve.</th> <th>200 LFM</th> <th>400 LFM</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>4.2</td><td>1.2</td><td>0.8</td><td>0.8</td></tr> <tr><td>2</td><td>8.7</td><td>2.4</td><td>1.6</td><td>1.6</td></tr> <tr><td>3</td><td>13.5</td><td>3.4</td><td>2.3</td><td>2.3</td></tr> <tr><td>4</td><td>18.3</td><td>4.8</td><td>3.0</td><td>3.0</td></tr> <tr><td>5</td><td>22.2</td><td>6.0</td><td>3.8</td><td>3.8</td></tr> <tr><td>6</td><td>25.9</td><td>7.3</td><td>4.6</td><td>4.6</td></tr> <tr><td>7</td><td>29.0</td><td>8.5</td><td>5.3</td><td>5.3</td></tr> <tr><td>8</td><td>32.7</td><td>9.8</td><td>6.1</td><td>6.1</td></tr> <tr><td>9</td><td>37.4</td><td>11.0</td><td>6.9</td><td>6.9</td></tr> <tr><td>10</td><td>40.9</td><td>12.3</td><td>7.7</td><td>7.7</td></tr> <tr><td>11</td><td>44.2</td><td>13.6</td><td>8.6</td><td>8.6</td></tr> <tr><td>12</td><td>47.2</td><td>14.8</td><td>9.3</td><td>9.3</td></tr> <tr><td>13</td><td>50.0</td><td>16.0</td><td>10.1</td><td>10.1</td></tr> <tr><td>14</td><td>52.7</td><td>17.2</td><td>10.8</td><td>10.8</td></tr> <tr><td>15</td><td>55.5</td><td>18.7</td><td>11.6</td><td>11.6</td></tr> <tr><td>16</td><td>58.3</td><td>19.9</td><td>12.4</td><td>12.4</td></tr> <tr><td>17</td><td>61.3</td><td>21.0</td><td>13.2</td><td>13.2</td></tr> <tr><td>18</td><td>64.7</td><td>22.3</td><td>13.8</td><td>13.8</td></tr> <tr><td>19</td><td>67.9</td><td>23.5</td><td>14.8</td><td>14.8</td></tr> <tr><td>20</td><td>70.4</td><td>24.8</td><td>15.4</td><td>15.4</td></tr> <tr><td>21</td><td>73.2</td><td>26.2</td><td>16.4</td><td>16.4</td></tr> <tr><td>22</td><td>75.9</td><td>27.4</td><td>17.2</td><td>17.2</td></tr> <tr><td>23</td><td>78.8</td><td>28.7</td><td>17.8</td><td>17.8</td></tr> <tr><td>24</td><td>81.3</td><td>29.8</td><td>18.7</td><td>18.7</td></tr> <tr><td>25</td><td>84.1</td><td>31.2</td><td>19.5</td><td>19.5</td></tr> <tr><td>26</td><td>86.7</td><td>32.2</td><td>20.2</td><td>20.2</td></tr> <tr><td>27</td><td>89.1</td><td>33.4</td><td>21.1</td><td>21.1</td></tr> <tr><td>28</td><td>91.9</td><td>34.6</td><td>22.0</td><td>22.0</td></tr> <tr><td>29</td><td>94.2</td><td>35.8</td><td>22.8</td><td>22.8</td></tr> <tr><td>30</td><td>96.8</td><td>37.2</td><td>23.5</td><td>23.5</td></tr> <tr><td>31</td><td>98.9</td><td>38.4</td><td>24.2</td><td>24.2</td></tr> <tr><td>32</td><td>100.0</td><td>39.9</td><td>25.1</td><td>25.1</td></tr> <tr><td>33</td><td>104.4</td><td>41.2</td><td>26.0</td><td>26.0</td></tr> <tr><td>34</td><td>108.6</td><td>42.3</td><td>26.8</td><td>26.8</td></tr> <tr><td>35</td><td>109.0</td><td>43.8</td><td>27.4</td><td>27.4</td></tr> </tbody> </table>						Power (W)	Mounting Surface Temperature Rise Above Ambient (ΔT = T <sub>MS</sub> - T <sub>A</sub> ) (°C)	Natural Conve.	200 LFM	400 LFM	0	0	0	0	0	1	4.2	1.2	0.8	0.8	2	8.7	2.4	1.6	1.6	3	13.5	3.4	2.3	2.3	4	18.3	4.8	3.0	3.0	5	22.2	6.0	3.8	3.8	6	25.9	7.3	4.6	4.6	7	29.0	8.5	5.3	5.3	8	32.7	9.8	6.1	6.1	9	37.4	11.0	6.9	6.9	10	40.9	12.3	7.7	7.7	11	44.2	13.6	8.6	8.6	12	47.2	14.8	9.3	9.3	13	50.0	16.0	10.1	10.1	14	52.7	17.2	10.8	10.8	15	55.5	18.7	11.6	11.6	16	58.3	19.9	12.4	12.4	17	61.3	21.0	13.2	13.2	18	64.7	22.3	13.8	13.8	19	67.9	23.5	14.8	14.8	20	70.4	24.8	15.4	15.4	21	73.2	26.2	16.4	16.4	22	75.9	27.4	17.2	17.2	23	78.8	28.7	17.8	17.8	24	81.3	29.8	18.7	18.7	25	84.1	31.2	19.5	19.5	26	86.7	32.2	20.2	20.2	27	89.1	33.4	21.1	21.1	28	91.9	34.6	22.0	22.0	29	94.2	35.8	22.8	22.8	30	96.8	37.2	23.5	23.5	31	98.9	38.4	24.2	24.2	32	100.0	39.9	25.1	25.1	33	104.4	41.2	26.0	26.0	34	108.6	42.3	26.8	26.8	35	109.0	43.8	27.4	27.4						
Power (W)	Mounting Surface Temperature Rise Above Ambient (ΔT = T <sub>MS</sub> - T <sub>A</sub> ) (°C)	Natural Conve.	200 LFM	400 LFM																																																																																																																																																																																																
0	0	0	0	0																																																																																																																																																																																																
1	4.2	1.2	0.8	0.8																																																																																																																																																																																																
2	8.7	2.4	1.6	1.6																																																																																																																																																																																																
3	13.5	3.4	2.3	2.3																																																																																																																																																																																																
4	18.3	4.8	3.0	3.0																																																																																																																																																																																																
5	22.2	6.0	3.8	3.8																																																																																																																																																																																																
6	25.9	7.3	4.6	4.6																																																																																																																																																																																																
7	29.0	8.5	5.3	5.3																																																																																																																																																																																																
8	32.7	9.8	6.1	6.1																																																																																																																																																																																																
9	37.4	11.0	6.9	6.9																																																																																																																																																																																																
10	40.9	12.3	7.7	7.7																																																																																																																																																																																																
11	44.2	13.6	8.6	8.6																																																																																																																																																																																																
12	47.2	14.8	9.3	9.3																																																																																																																																																																																																
13	50.0	16.0	10.1	10.1																																																																																																																																																																																																
14	52.7	17.2	10.8	10.8																																																																																																																																																																																																
15	55.5	18.7	11.6	11.6																																																																																																																																																																																																
16	58.3	19.9	12.4	12.4																																																																																																																																																																																																
17	61.3	21.0	13.2	13.2																																																																																																																																																																																																
18	64.7	22.3	13.8	13.8																																																																																																																																																																																																
19	67.9	23.5	14.8	14.8																																																																																																																																																																																																
20	70.4	24.8	15.4	15.4																																																																																																																																																																																																
21	73.2	26.2	16.4	16.4																																																																																																																																																																																																
22	75.9	27.4	17.2	17.2																																																																																																																																																																																																
23	78.8	28.7	17.8	17.8																																																																																																																																																																																																
24	81.3	29.8	18.7	18.7																																																																																																																																																																																																
25	84.1	31.2	19.5	19.5																																																																																																																																																																																																
26	86.7	32.2	20.2	20.2																																																																																																																																																																																																
27	89.1	33.4	21.1	21.1																																																																																																																																																																																																
28	91.9	34.6	22.0	22.0																																																																																																																																																																																																
29	94.2	35.8	22.8	22.8																																																																																																																																																																																																
30	96.8	37.2	23.5	23.5																																																																																																																																																																																																
31	98.9	38.4	24.2	24.2																																																																																																																																																																																																
32	100.0	39.9	25.1	25.1																																																																																																																																																																																																
33	104.4	41.2	26.0	26.0																																																																																																																																																																																																
34	108.6	42.3	26.8	26.8																																																																																																																																																																																																
35	109.0	43.8	27.4	27.4																																																																																																																																																																																																
<p>The "Total Lead" Temperature is measured on the Testboard at ambient temperature.</p>						<p>The "Total Lead" Temperature is measured on the Testboard at ambient temperature.</p>																																																																																																																																																																																														

Affected Date Code: **3/3/2026**

Product Availability: **Pertaining to market availability**

PCN Approval:

F-723-001

Revision: A



Operations/Quality

*Roy Garcia*

---

Product Management

RI

---