

Mean Value of Expected Current drawn by Dee Low Voltage Channels
Valid for Dee1, Dee2, Dee3 and Dee4

Created 06.08.2008

B. Betev

Dee RIGHT (electronics side)				Dee LEFT (electronics side)			
Channel No in B867	Label on PP	Powered VFE channels	Expected current [A]	Channel No in B867	Label on PP	Powered VFE channels	Expected current [A]
1	4.8-4.9	100	50	1	5.0-5.1	100	50
2	4.6-4.7	95	47.5	2	5.2-5.3	95	47,5
3	4.4-4.5	100	50	3	5.4-5.5	100	50
4	4.2-4.3	100	50	4	5.6-5.7	100	50
5	4.0-4.1	75 (85*)	37.5 (42.5*)	5	5.8-5.9	85 (75*)	42.5 (37.5*)
6	3.8-3.9	100	50	6	6.0-6.1	100	50
7	3.6-3.7	100	50	7	6.2-6.3	100	50
8	3.4-3.5	100	50	8	6.4-6.5	100	50
9	3.2-3.3	75	37.5	9	6.6-6.7	75	37.5
10	3.0-3.1	100	50	10	6.8-6.9	100	50
11	2.8-2.9	75	37.5	11	7.0-7.1	75	37.5
12	2.6-2.7	100	50	12	7.2-7.3	100	50
13	2.4-2.5	75	37.5	13	7.4-7.5	75	37,5
14	2.2-2.3	75	37.5	14	7.6-7.7	75	37.5
15	2.0-2.1	100	50	15	7.8-7.9	100	50
16	1.8-1.9	70 (60 *)	35 (30*)	16	8.0-8.1	60 (70*)	30 (35*)
17	1.6-1.7	100	50	17	8.2-8.3	100	50
18	1.4-1.5	100	50	18	8.4-8.5	100	50
19	1.2-1.3	100	50	19	8.6-8.7	100	50
20	1.0-1.1	95	47.5	20	8.8-8.9	95	47.5

Total VFE channels: 1835 (367 VFE cards)

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Base for current estimation 0.5 A/Channel

Total number of crystals is 2x1831=3662 (There are two VFE card in which only one crystal is connected)

*- Value valid for Dee2 and Dee4