

2.0±0.1 TYP

POS 1

POS 2

SEE NOTE 5

DIM X±0.13

2.0±0.1 NON ACCUM

2.0±0.1

Ø0.7±0.1

RECOMMENDED MOUNTING HOLE LAYOUT

4.5

DIM W ±0.3

0.2 REF

2.00±0.15 ON TIP TYP

DIM X±0.2 ON TIP

DIM Y

SEE NOTE 3

SEE NOTE 2

FIG. 1

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www.fciconnect.com		surface - ✓ ISO 1302	tolerance std ISO 406 ISO 1101	projection MM
TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	JANET	2000/05/31	ANGULAR	x.x ±
Eng	JPEH	2000/06/01	LINEAR	x.xx ±0.25
Chr	KH LEE	2010/01/20	0° ±3°	x.xxx ±
Appr	JOEY NG	2010/01/20	Product family	MINITEK Spec ref -
FCI		title POLARISED MINITEK II VCC		dwg no 86990
-		-		Rev. AW
-		-		customer sheet 1 of 3

rev	ecn no	dr	date
AR	S60138	BSL	1996/06/05
AS	S80166	BSL	1998/07/03
AT	S00100	SCT	2000/05/30
AU	S05-0078	KBM	2005/03/15
AV	S06-0236	KHL	2006/07/17
AW	S10-0205	AK	2010/01/20
-	-	-	-

1

2

3

4

PRODUCT NO NOTE 6	POS	DIM X	DIM Y	DIM W	POL. POS	PLATING
86990-001	2 X 12	22	24.8	2.5	12	0.76µm MIN Au
-002	2 X 5	8	10.8	1.27	3,8	0.76µm MIN Au
-003	2 X 4	6	8.8	1.5	6	0.2µm MIN Au
-004	2 X 8	14	16.8	1.5	10	0.2µm MIN Au
-005	2 X 9	16	18.8	1.5	10	0.2µm MIN Au
-006	2 X 4	6	8.8	1.27	1,6	0.76µm MIN Au
-007	2 X 6	10	12.8	1.27	4	0.76µm MIN Au
-008	2 X 12	22	24.8	1.27	8	0.76µm MIN Au
-009	2 X 6	10	12.8	2.5	10	0.2µm MIN Au
-010	2 X 22	42	44.8	2.5	20	0.2µm MIN Au
-011	2 X 20	38	40.8	1.27	28,40	0.76µm MIN Au
-012	2 X 25	48	50.8	1.27	26	0.76µm MIN Au
-013	2 X 13	24	26.8	1.27	8	0.76µm MIN Au
-014	2 X 22	42	44.8	1.5	20	0.76µm MIN Au
-015	2 X 25	48	50.8	1.27	24,42	0.76µm MIN Au
-016	2 X 25	48	50.8	2.5	26	0.76µm MIN Au
-017	2 X 2	2	4.8	1.27	3	0.38µm MIN Au
-018	2 X 20	38	40.8	1.27	24	0.76µm MIN Au
-019	2 X 15	28	30.8	2.5	20	0.38µm MIN Au
-020	2 X 7	12	14.8	1.27	7	0.76µm MIN Au
-021	2 X 17	32	34.8	1.27	6	0.76µm MIN Au
-022	2 X 3	4	6.8	2.5	4	0.76µm MIN Au
-023	2 X 20	38	40.8	2.5	24	0.76µm MIN Au
-024	2 X 22	42	44.8	1.27	20	0.2µm MIN Au
-025	2 X 25	48	50.8	2.5	25,45,46	0.76µm MIN Au

A

B

C

D

A

B

C

D



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TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	JANET	2000/05/31	ANGULAR	x.x	±-
Eng	JPEH	2000/06/01	LINEAR	x.xx	±0.25
Chr	KH LEE	2010/01/20	0° ±3°	x.xxx	±-
Appr	JOEY NG	2010/01/20	Product family	MINITEK	Spec ref -
		title POLARISED MINITEK II VCC		dwg no 86990	Rev. AW
catalog no		-		CUSTOMER	sheet 2 of 3

REV E - 2006-03-28

1

2

3

**PDM: Rev:AW**

**STATUS Released**

Printed: Oct 12, 2010

PRODUCT NO NOTE 6	POS	DIM X	DIM Y	DIM W	POL. POS	PLATING
86990-026	2 X 25	48	50.8	2.5	10	0.2µm MIN Au
-027	2 X 25	48	50.8	2.5	9,10,26	0.2µm MIN Au
-028	2 X 25	48	50.8	1.27	26	0.2µm MIN Au
-029	2 X 22	42	44.8	1.5	20	0.2µm MIN Au
-030	2 X 25	48	50.8	1.27	24,42	0.2µm MIN Au
-031	2 X 3	4	6.8	1.27	4	0.76µm MIN Au
-032	2 X 4	6	8.8	1.27	6	0.76µm MIN Au
-033	2 X 3	4	6.8	1.27	6	0.2µm MIN Au
-034	2 X 25	48	50.8	2.5	9,10,27	0.2µm MIN Au
-035	2 X 5	8	10.8	1.5	8	0.2µm MIN Au
-036	2 X 25	48	50.8	2.5	9,10	0.76µm MIN Au
-037	2 X 25	48	50.8	2.75	9,10	0.76µm MIN Au
-038	2 X 15	28	30.8	2.75	-	0.76µm MIN Au
-039	2 X 15	28	30.8	1.5	8	0.76µm MIN Au
-040	2 X 8	14	16.8	2.5	6,11	0.2µm MIN Au
-041	2 X 2	2	4.8	1.27	3	0.76µm MIN Au
-042	2 X 4	6	8.8	2.0	-	0.38µm MIN Au
-043	2 X 5	8	10.8	2.0	-	0.2µm MIN Au

NOTES:

1. MATERIAL  
 BODY : GLASS FILLED PBT UL 94V-0 BLACK  
 TERMINAL: PHOSPHOR BRONZE  
 PLATING: SELECTIVE GOLD PLATED IN CONTACT AREA (REFER TO TABLE)

② CUT SURFACE IS UNPLATED

③ TERMINAL RETENTION FORCE 0.5 Kg MIN

4. TOLERANCE UNLESS OTHERWISE NOTED ±0.25

⑤ POLARISED POS REFER TO TABLE. SEE FIG.1 FOR SECTIONAL VIEW.

⑥ PRODUCT DESCRIPTION CODE:

XXXXX-XXXLF



⑦ SOLDER TAIL PLATING:  
 a) SOLDER TAIL OF P/N:86990-XXX IS TIN/LEAD PLATED.  
 b) SOLDER TAIL OF P/N:86990-XXXLF IS 100% MATTE TIN PLATED.

8. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.57MM MINIMUM THICK CIRCUIT BOARD.

⑨ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

10. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



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		POLARISED MINITEK II VCC		dwg no	86990
-		-		CUSTOMER	Rev. AW
-		-		sheet 3 of 3	