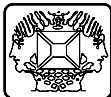


velleman-**kit**

HIGH-Q

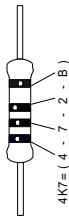
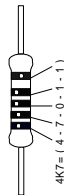


K8004 DC to PULSE WIDTH MODULATOR

- PWM range: 0 to 100%
- PWM frequency: 100 to 5000Hz adjustable
- Minimum PWM offset: 0 to 20% adjustable
- Adjustable sensitivity: 2.5 to 35VDC
- Short circuit protection
- Overload protection: 6.5A
- Under-Voltage lockout: 7VDC typ.
- Soft start
- Power Supply: 8 to 35VDC unregulated
- Supply current (No load): 35mA typ
- Efficiency: better than 90% at full load
- Dimensions (wxdxh): 85 x 48 x 45mm

modifications reserved



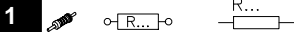

$$4K7 = (4 - 7 - 2 - B)$$

$$AK7 = (4 - 7 - 0 - 1 - 1)$$

COLOR=2...5

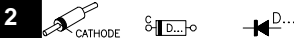


	I	P	E	SF	S	DK	N	D	GB	F	NL
C O D E	C O D I C E C O L O R E	C O D I G O D E C O R E S	C O D I G O D E C O L O R E S	V Á R I K O O D I	F Á R G S C H E M A	F A R V E - K O D E	F A R G E - K O D E	F A R B K O D E	C O U L O U R C O D E	C O D I F I - C A T I O N D E S C O U - L E U R S	K L E U R K O D E
0	Nero	Preto	Negro	Musta	Svart	Sort	Sort	Schwarz	Black	Noir	Zwart
1	Marrone	Castanho	Marrón	Ruskea	Brun	Brun	Brun	Braun	Brown	Brun	Bruin
2	Rosso	Encarnado	Rojo	Punainen	Röd	Rød	Rød	Rot	Red	Rouge	Rood
3	Aranciato	Laranja	Naranja	Oranssi	Orange	Orange	Orange	Orange	Orange	Orange	Oranje
4	Giallo	Amarelo	Amarillo	Keltainen	Gul	Gul	Gul	Gelb	Yellow	Jaune	Geel
5	Verde	Verde	Verde	Vihreä	Grön	Grøn	Grønn	Grün	Green	Vert	Groen
6	Blu	Azul	Azul	Sininen	Blå	Blå	Blå	Blau	Blue	Bleu	Blauw
7	Viola	Violeta	Morado	Purppura	Lila	Violet	Violet	Violet	Purple	Violet	Paars
8	Grigio	Cinzen	Gris	Harmaa	Grå	Grå	Grå	Grau	Grey	Gris	Grijs
9	Bianco	Branco	Blanco	Valkoinen	Vit	Hvid	Hvidt	Weiss	White	Blanc	Wit
A	Argento	Prateado	Plata	Hopea	Silver	Sølv	Sølv	Silber	Silver	Argent	Zilver
B	Oro	Dourado	Oro	Kulta	Guld	Guld	Guldl	Gold	Gold	Or	Goud

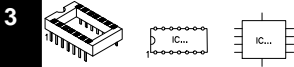
A P8004



R1, R2: 220 (2-2-1-B)
R3,R4: 2K2 (2-2-2-B)
R5: 10K (1-0-3-B)
R6: 100K (1-0-4-B)
R7: 220K (2-2-4-B)



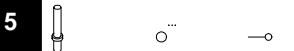
D1,D2: 1N4148
D3: 1N4000...1N4007



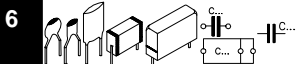
IC1: 16P



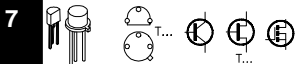
RV1,RV2: 10K
RV3: 220K



V_{REF}



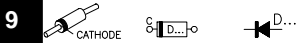
C1...C4: 100nF (104 - μ 1)



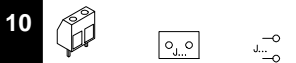
T1: BC547



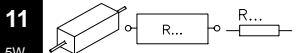
C5,C6: 10 μ F
C7: 100 μ F (40Vmin.)



D4: 6A2 / 6A6



J1...J3: 2P (!)



5W
R8: 0,22 (R22)

12

5W



R9,R10: 0,22 (R22)

13



T2: BUK555-60B or eq. (!)



14



IC1: 3524 (!)

FIG. B

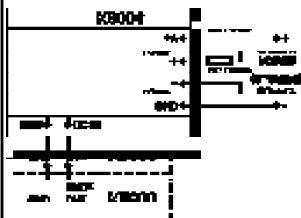


FIG. C

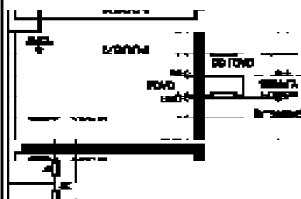


FIG. A

