

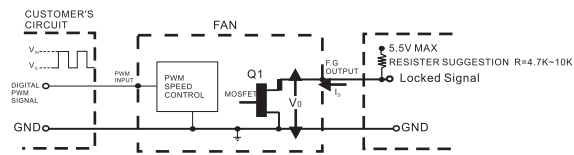


PWM-BA

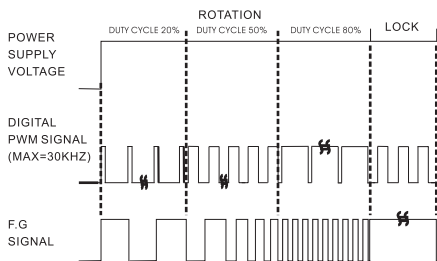
PROVISION OF DIGITAL PWM SPEED CONTROL & LOCKED SIGNAL(F,G)

Output of locked signalOPEN DRAIN TYPE

*Electrical design suggestion:R=4.7K-10K
(External signal function design is decided by customer)



- *MOSFET Q1 AT "ON" POSITION
- DRAIN CURRENT..... $I_c=10\text{mA MAX}$
- SATURATION VOLTAGE..... $V_{ce_s}=0.5\text{V MAX}$
- *MOSFET Q1 AT "OFF" POSITION
- RELEASE VOLTAGE..... $V_{ce_r}=5.5\text{V MAX}$
- *DIGITAL PWM SPEED CONTROL POSITION
- PWM INPUT VOLTAGE HIGH..... $V_{in_h}=5.5\text{V MAX}$
- PWM SINK CURRENT..... $10\mu\text{A (MAX)}$
- *PWM INPUT FREQUENCY..... $F_{\text{PWM}}=30\text{KHZ (MAX)}$

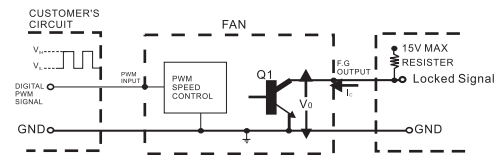


PWM-BB

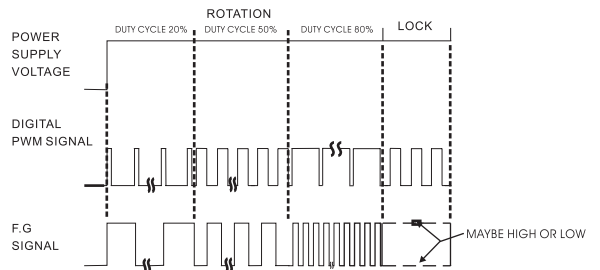
PROVISION OF DIGITAL PWM SPEED CONTROL & LOCKED SIGNAL(F,G)

Output of locked signalOPEN COLLECTOR TYPE

(External signal function design is decided by customer)



- *TRANSISTOR Q1 AT "ON" POSITION
- COLLECTOR CURRENT..... $I_c=10\text{mA MAX}$
- SATURATION VOLTAGE..... $V_{ce_s}=1\text{V MAX}$
- *TRANSISTOR Q1 AT "OFF" POSITION
- RELEASE VOLTAGE..... $V_{ce_r}=15\text{V MAX}$
- *DIGITAL PWM SPEED CONTROL POSITION
- PWM INPUT VOLTAGE HIGH..... $V_{in_h}=5.5\text{V MAX}$
- PWM INPUT VOLTAGE LOW..... $V_{in_l}=0.5\text{V MAX}$
- *PWM INPUT FREQUENCY..... $F_{\text{PWM}}=18\text{KHZ}-30\text{KHZ}$



NOTES