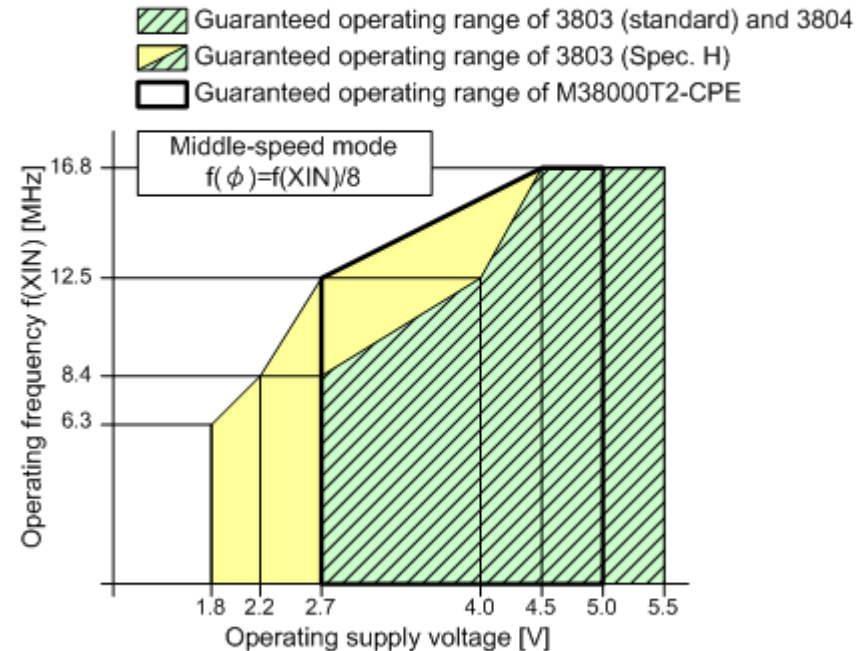
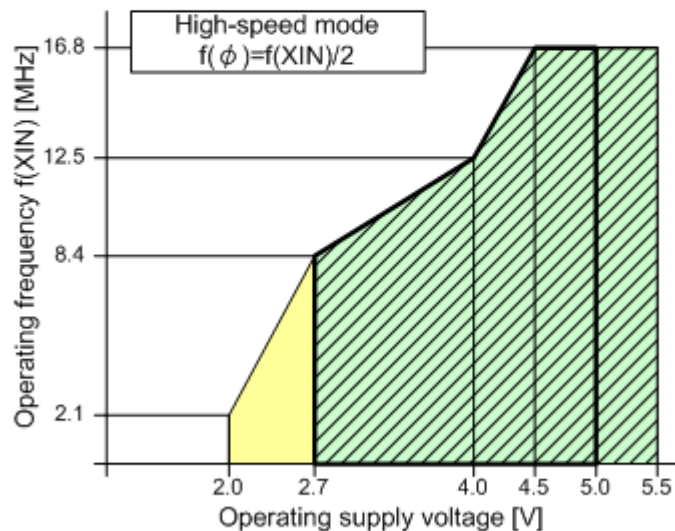


Guaranteed operating range of 38000 Series 3803,3804 Group

2004-01-16 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
3803 (Standard, Spec. H), 3804 Group



* Be sure to use the emulator MCU M38049RLSS.






* The evaluation at a voltage lower than 2.7 V and higher than 5 V is not available in combination with the M38000T2-CPE.

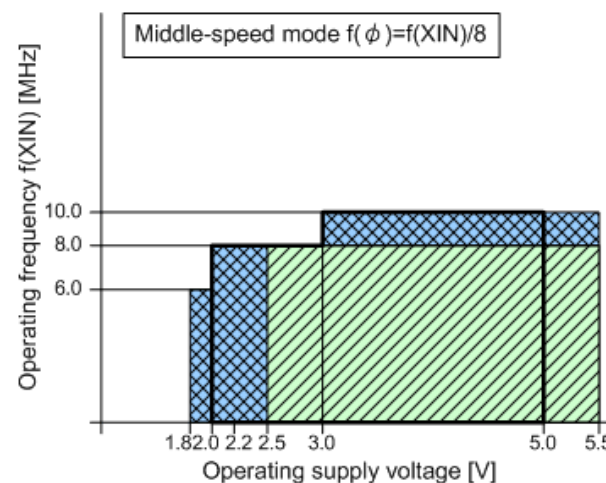
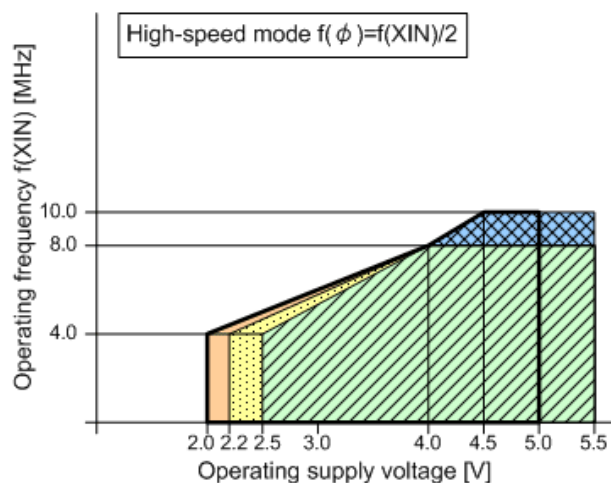
Guaranteed operating range of 38000 Series 3822 Group

2004-01-16 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
3822 Group (Standard, M, H and A version)

-  Guaranteed operating range of standard product
-  Guaranteed operating range of M version
-  Guaranteed operating range of H version
-  Guaranteed operating range of A version
-  Guaranteed operating range of M38000T2-CPE



- * Be sure to use the emulator MCU M38227RFS.
- * The M38227RFS is a standard type MCU.
When debugging the 3822 Group M, H and A version MCU using the M38227RFS, be concerned about the difference of specifications of the MCUs.
- * The evaluation at a voltage lower than 2.0 V and higher than 5 V is not available in combination with the M38000T2-CPE.



Usage Notes for M38000T2-CPE

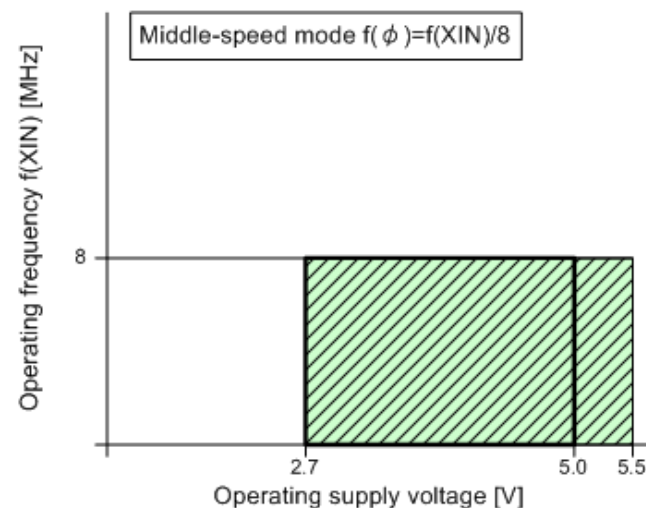
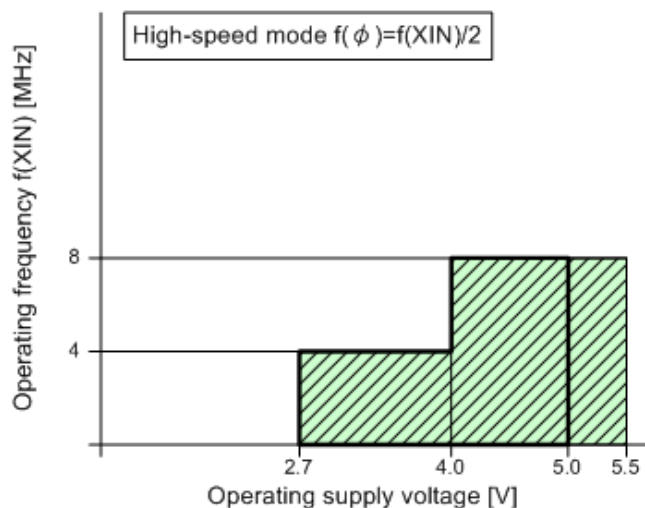
Guaranteed operating range of 38000 Series 3850 Group (Standard, Spec.H), 3851 Group

2004-01-16 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
3850 (Standard, Spec. H), 3851 Group

 Guaranteed operating range of mass-produced MCU
 Guaranteed operating range of M38000T2-CPE





- * Be sure to use the emulator MCU M38517RSS.
- * The M38517RSS is a Spec. H MCU.
When debugging the 3850 Group standard type MCU using the M38517RSS, be concerned about the difference of the specifications of the MCUs.
- * The evaluation at a voltage higher than 5 V is not available in combination with the M38000T2-CPE.

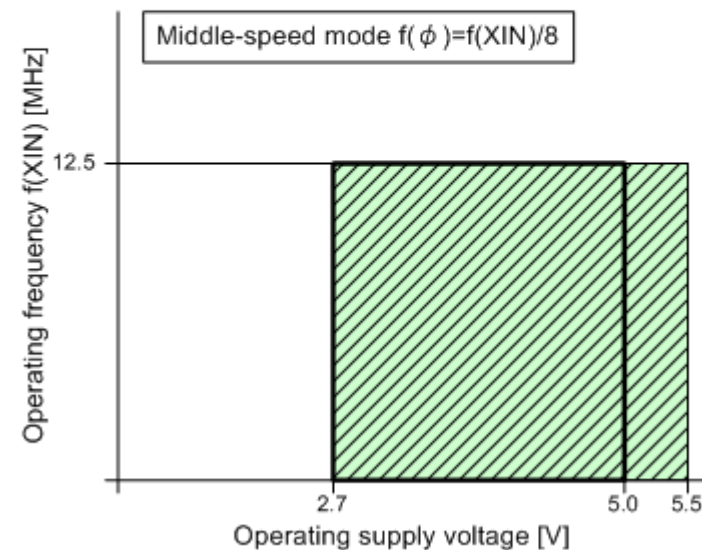
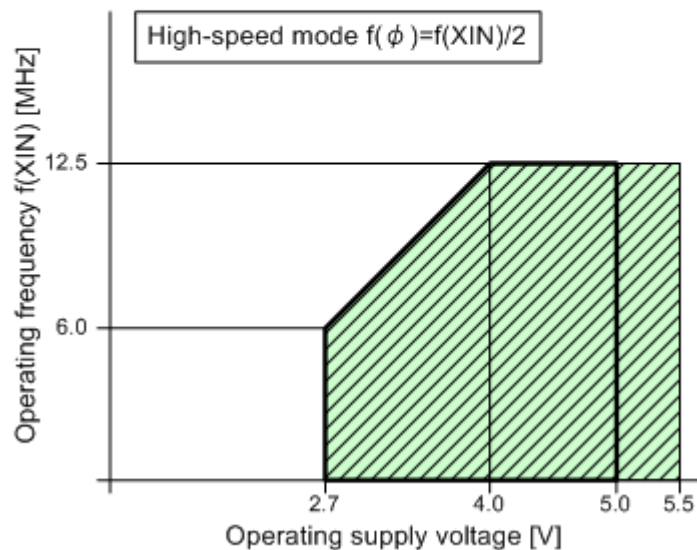
Guaranteed operating range of 38000 Series 3850 Group (Spec.A)

2004-01-16 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
3850 Group (Spec. A)

 Guaranteed operating range of mass-produced MCU
 Guaranteed operating range of M38000T2-CPE



* Be sure to use the emulator MCU M38507ARLSS.



* The evaluation at a voltage higher than 5 V is not available in combination with the M38000T2-CPE.

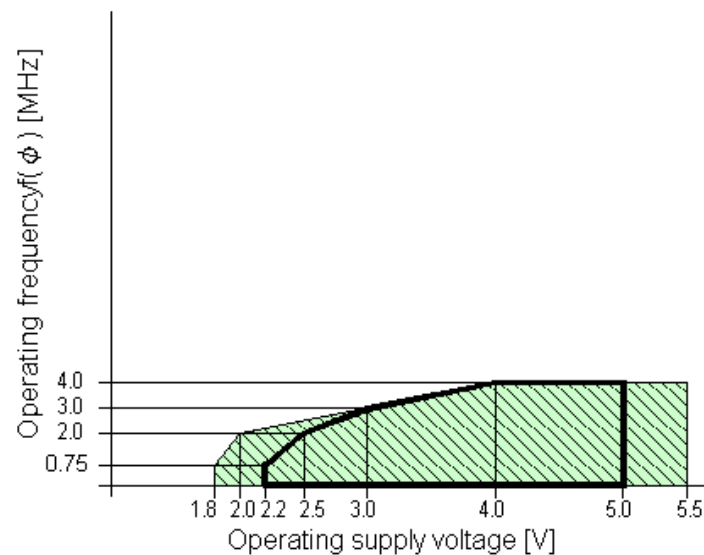
Guaranteed operating range of 38000 Series 38C1 Group

2004-03-01 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
38C1 Group

 Guaranteed operating range of mass-produced MCU
 Guaranteed operating range of M38000T2-CPE






- * Be sure to use the emulator MCU M38C13RLFS.
- * The evaluation at a voltage higher than 5 V is not available in combination with the M38000T2-CPE.

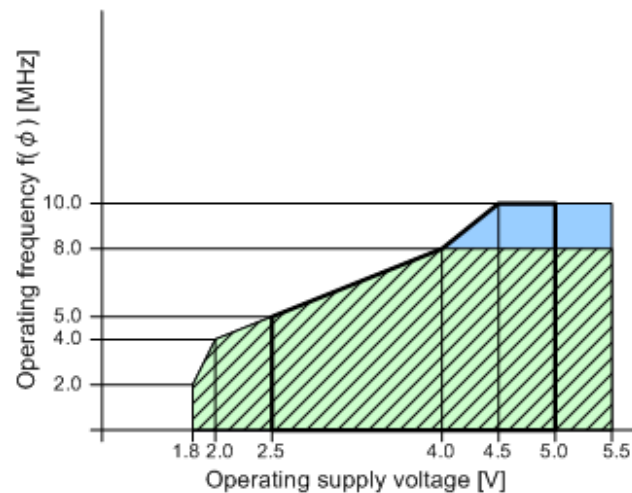
Guaranteed operating range of 38000 Series 38C2 Group

2004-01-16 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
38C2 Group (Standard, A version)

-  Guaranteed operating range of mass-produced MCU (standard)
-  Guaranteed operating range of mass-produced MCU (A version)
-  Guaranteed operating range of M38000T2-CPE



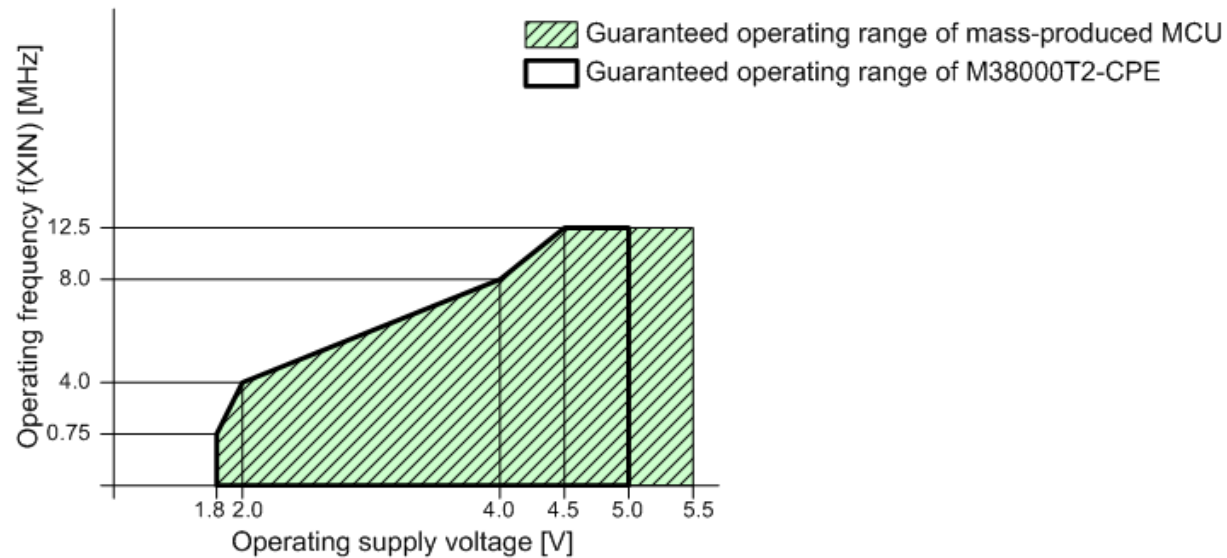
- * Be sure to use the emulator MCU M38C29RLFS.
- * The M38C29RLFS is an A version MCU.
When debugging the 38C2 Group standard type MCU using the M38C29RLFS, be concerned about the difference of the specifications of the MCUs.
- * The evaluation at a voltage higher than 5 V is not available in combination with the M38000T2-CPE.
- * The evaluation at a voltage lower than 2.5 V is not available in combination with the M38000T2-CPE.

Guaranteed operating range of 38000 Series 38C5 Group

2004-02-17 Rev.1.00

Applicable group:
38C5 Group

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.



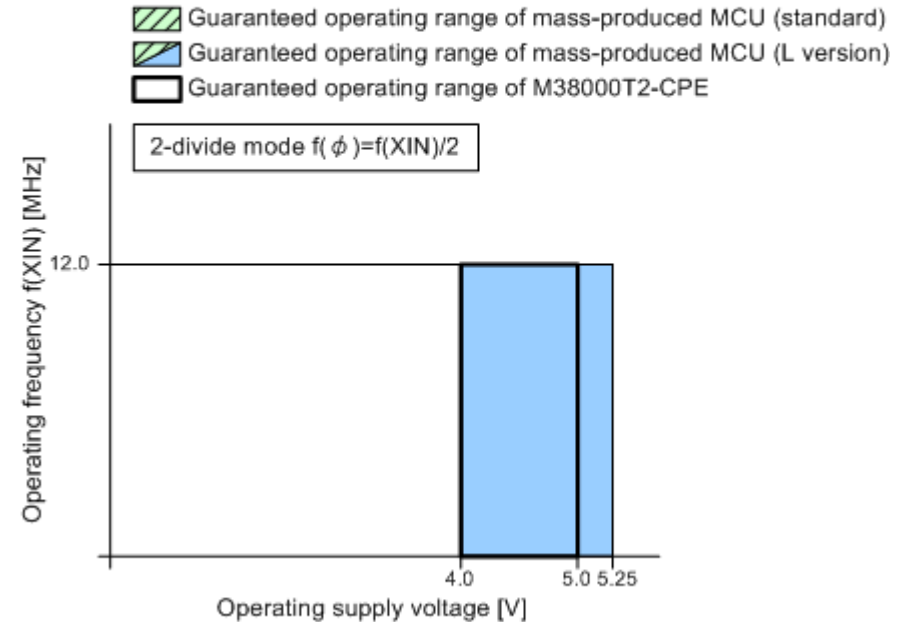
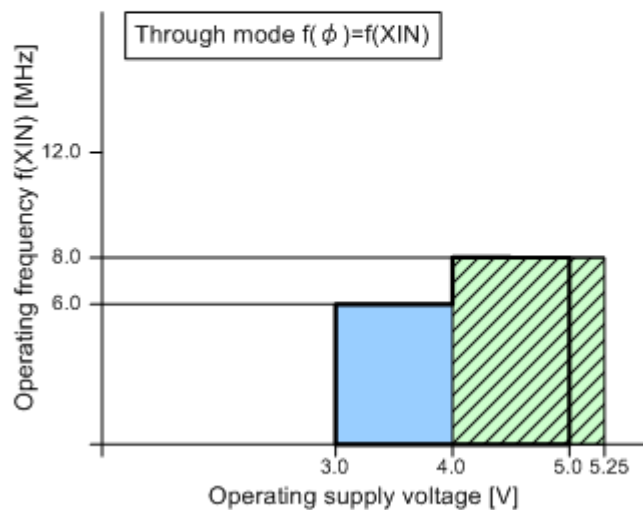
- * Be sure to use the emulator MCU M38C59T-RLFS.
- * The evaluation at a voltage higher than 5.0 V is not available in combination with the M38000T2-CPE.

Guaranteed operating range of 38000 Series 38K0 Group

2004-01-16 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
38K0 Group (Standard, L version)



* Be sure to use the emulator MCU M38K09RFS.



* The evaluation at a voltage higher than 5 V is not available in combination with the M38000T2-CPE.

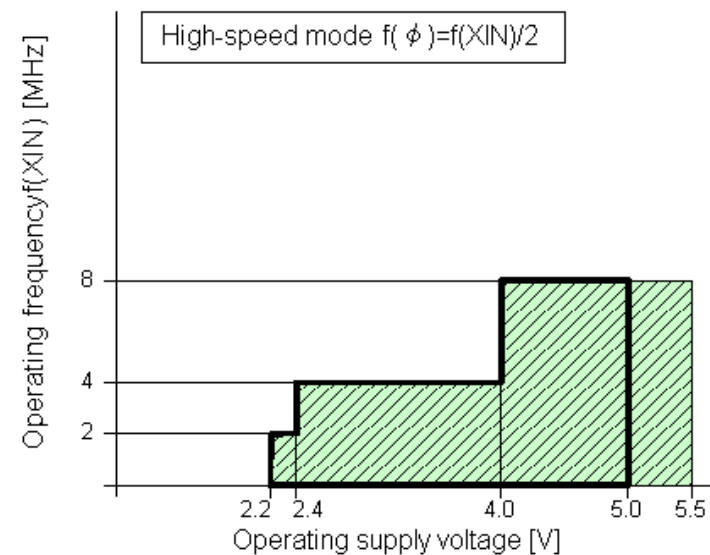
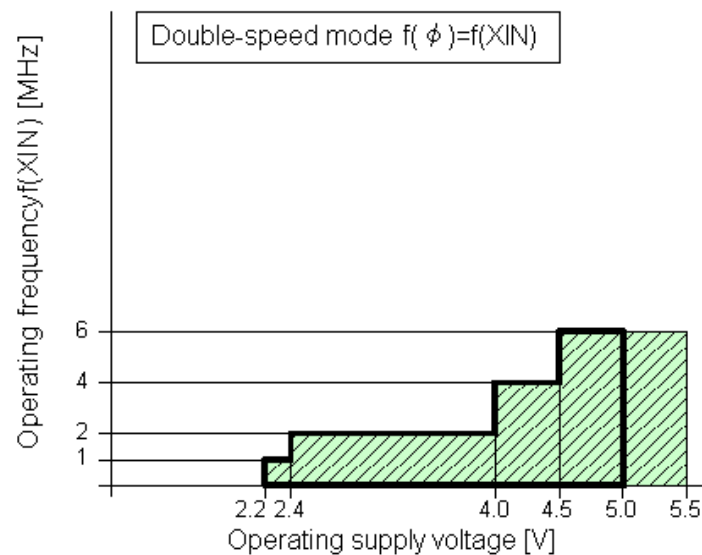
Guaranteed operating range of 740 Series 7540 Group

2004-03-01 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
7540 Group

 Guaranteed operating range of mass-produced MCU
 Guaranteed operating range of M38000T2-CPE



* Be sure to use the emulator MCU M37540RSS.



* The evaluation at a voltage higher than 5 V is not available in combination with the M38000T2-CPE.

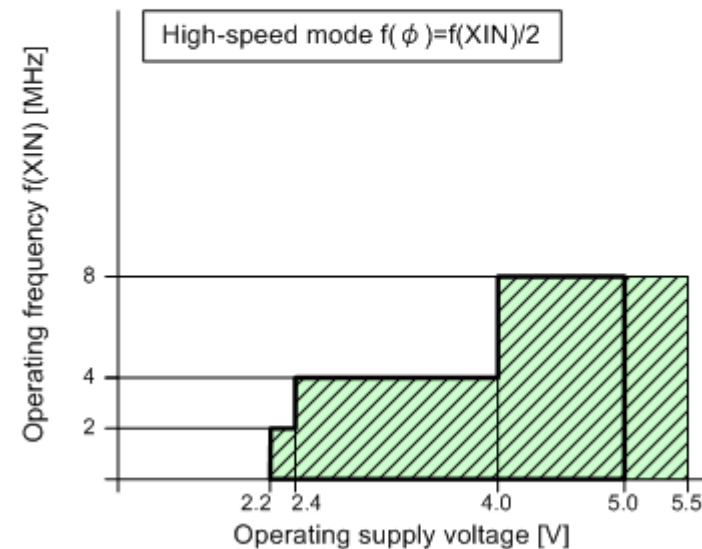
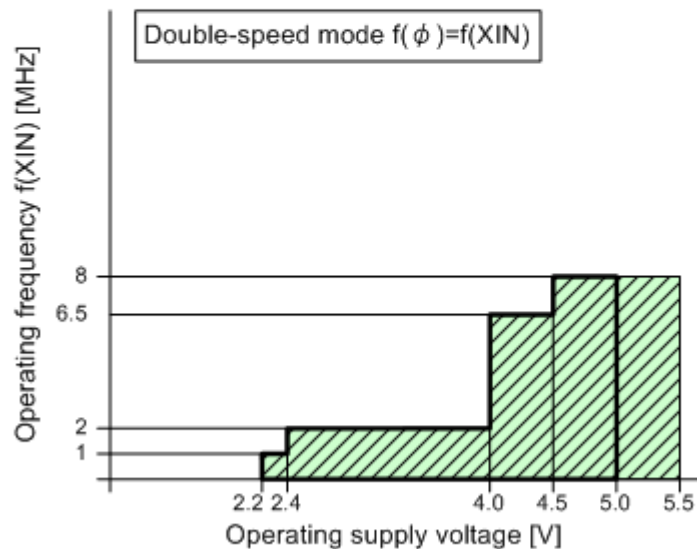
Guaranteed operating range of 740 Series 7542 Group

2004-01-16 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
7542 Group

 Guaranteed operating range of mass-produced MCU
 Guaranteed operating range of M38000T2-CPE



* Be sure to use the emulator MCU M37542RSS.



* The evaluation at a voltage higher than 5 V is not available in combination with the M38000T2-CPE.

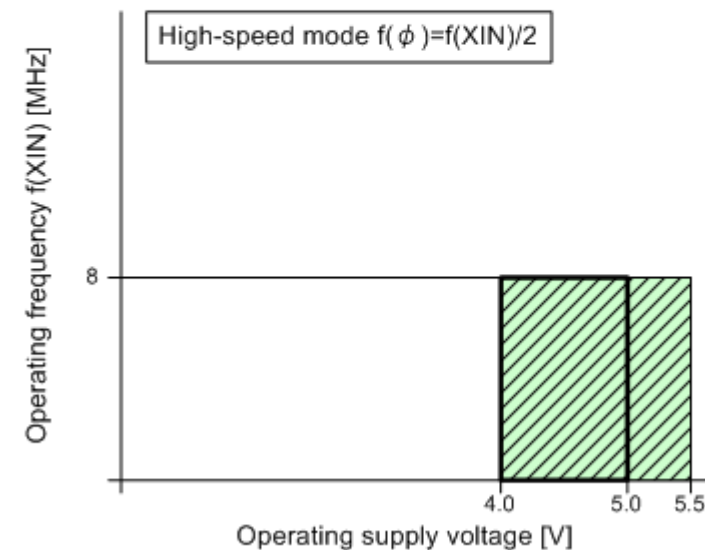
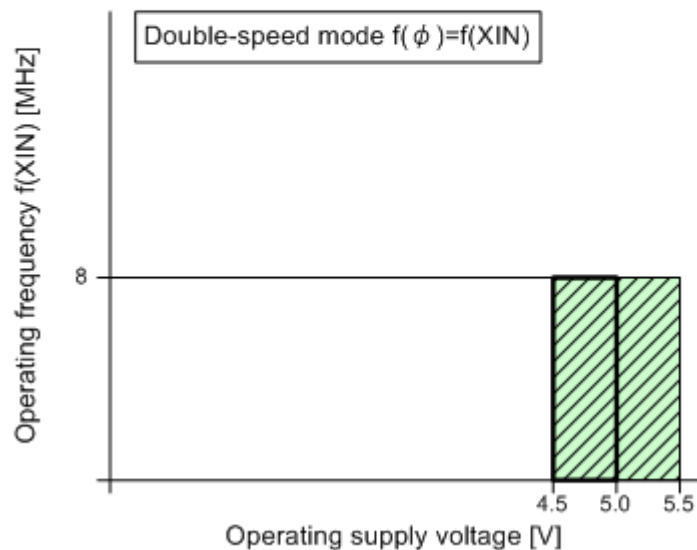
Guaranteed operating range of 740 Series 7544 Group

2004-01-16 Rev.1.00

As the specifications of the mass-produced MCUs vary according to its memory types (mask ROM or flash etc.), be sure to check the data sheet of your MCU.

Applicable group:
7544 Group

 Guaranteed operating range of mass-produced MCU
 Guaranteed operating range of M38000T2-CPE



* Be sure to use the emulator MCU M37544RSS.

* The evaluation at a voltage higher than 5 V is not available in combination with the M38000T2-CPE.