
3V-40V V_{in} , 300mA, 2.4 μ A I_Q , Low-Dropout Regulator with PG Feature

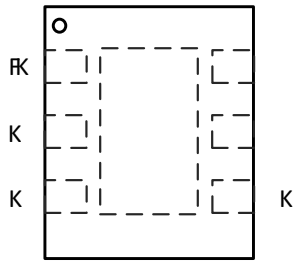
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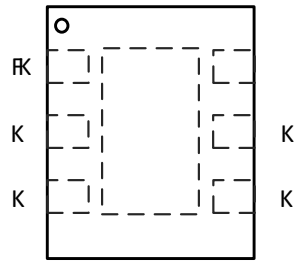
SCT71403Q Series

Part Number	Output Voltage	Package	Package Marking	Transport Media, Quantity

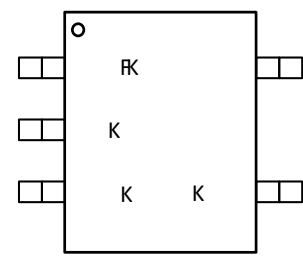
SCT71403Q Series



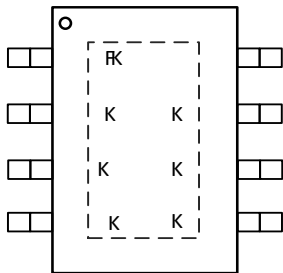
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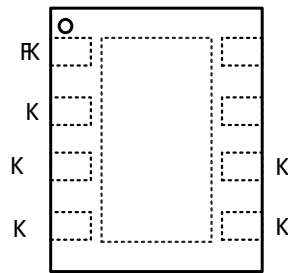
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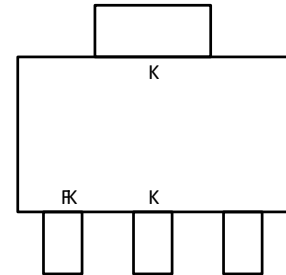
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SCT71403FxxQMTER



SCT71403FxxQDTBR



SCT71403FxxQTXER

NAME

SCT71403Q Series

PARAMETER	DEFINITION	MIN	MAX	UNIT

PARAMETER	DEFINITION	MIN	MAX	UNIT

- (1)
- (2)

PARAMETER	DEFINITION	MIN	MAX	UNIT

Package Type	$R_{JA}^{(1)}$	$R_{JC}^{(2)}$	$R_{JA_EVM}^{(3)}$	UNIT

- (1)
- (2)
- (3)

SCT71403Q Series

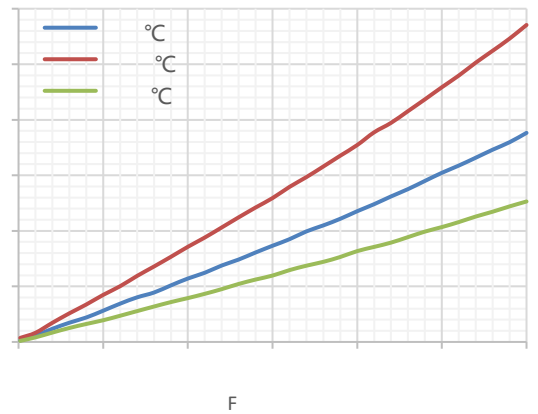
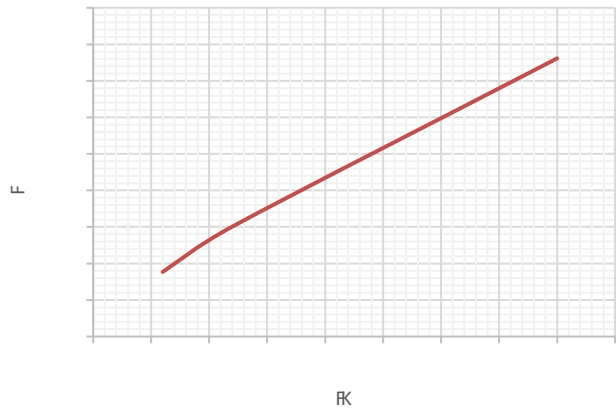
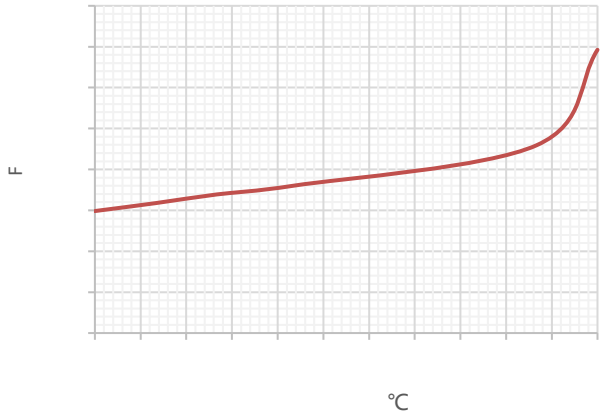
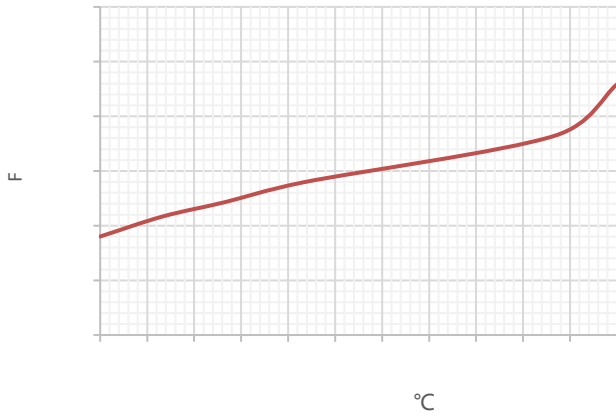
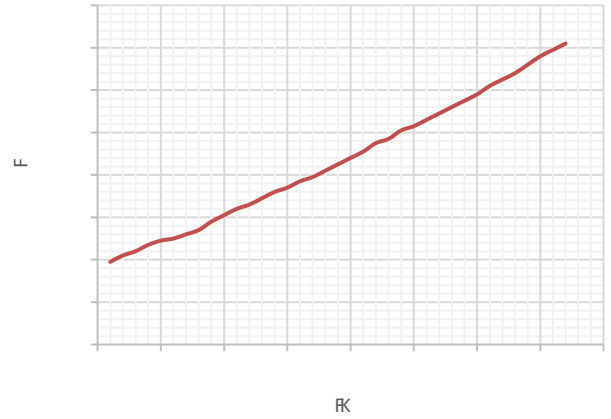
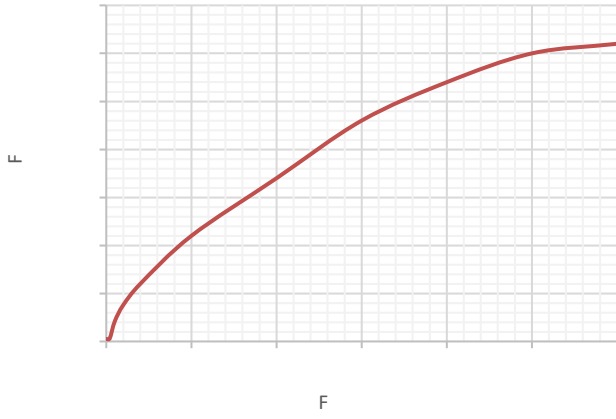
SCT71403Q Series

SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Thermal Protection						

(1)

(2)

SCT71403Q Series

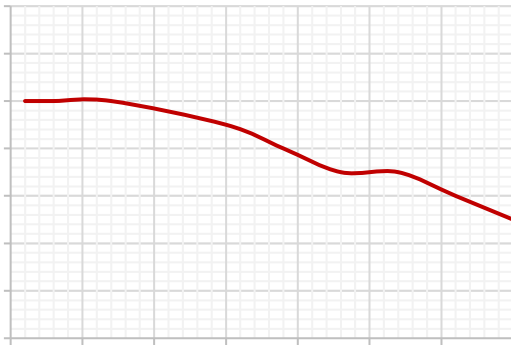




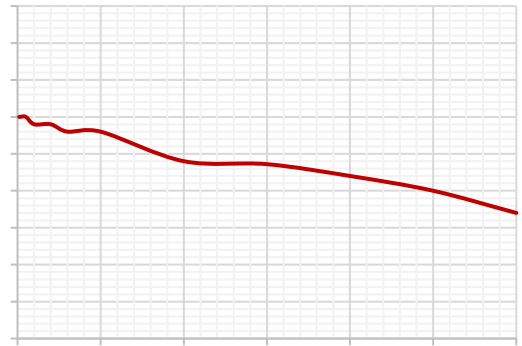
°C



°C



RK



F



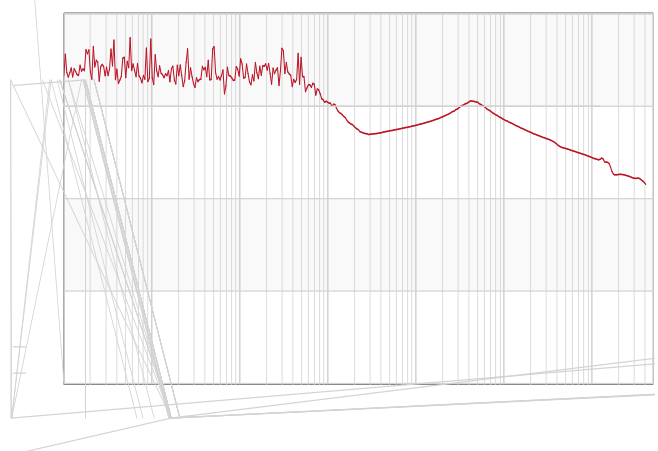
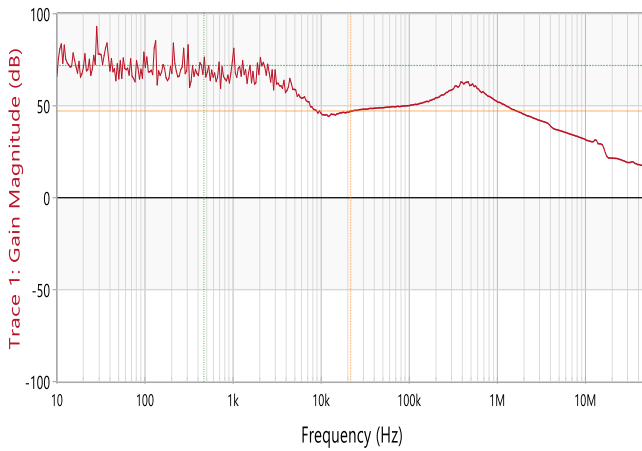
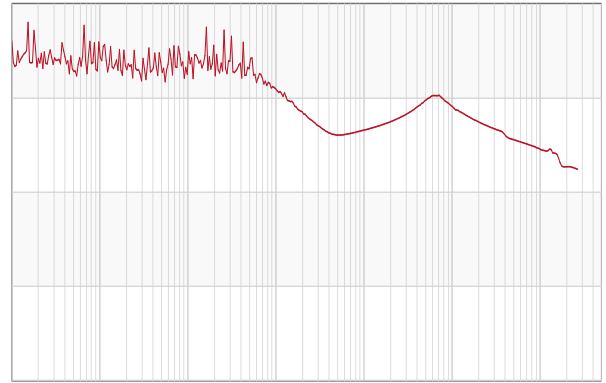
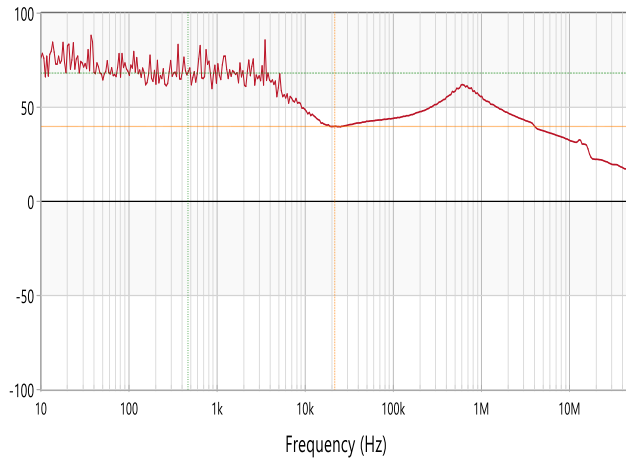
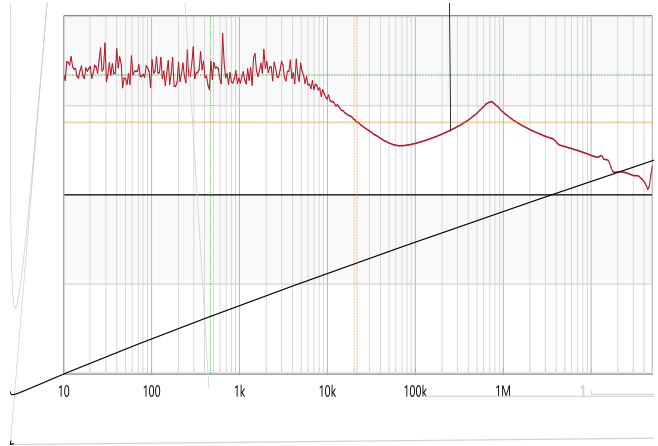
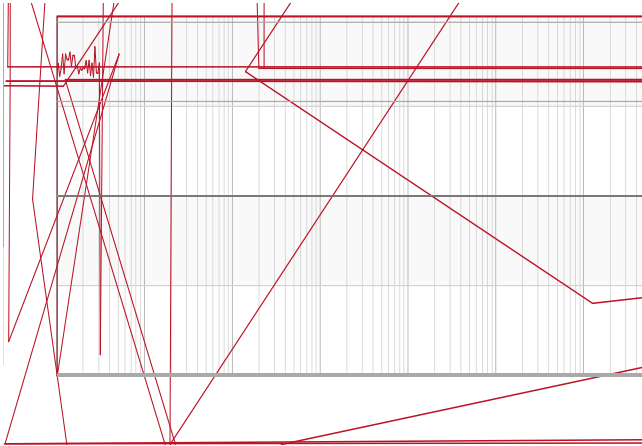
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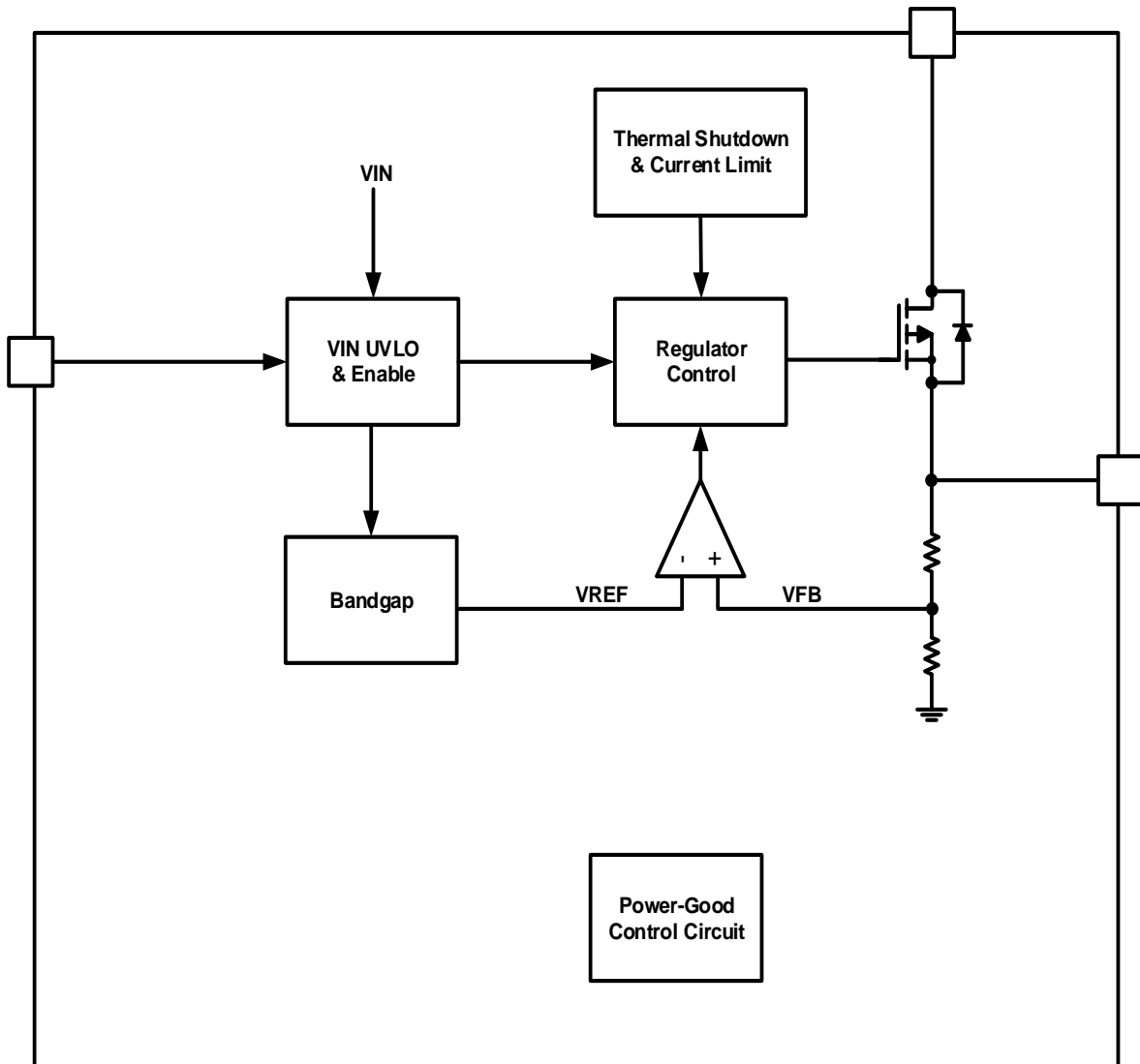


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SCT71403Q Series

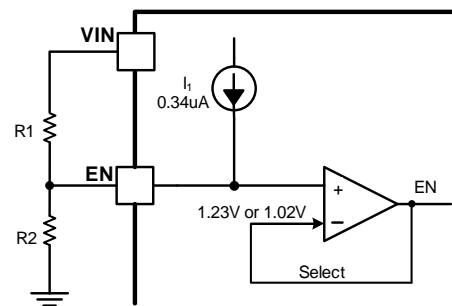




SCT71403Q Series

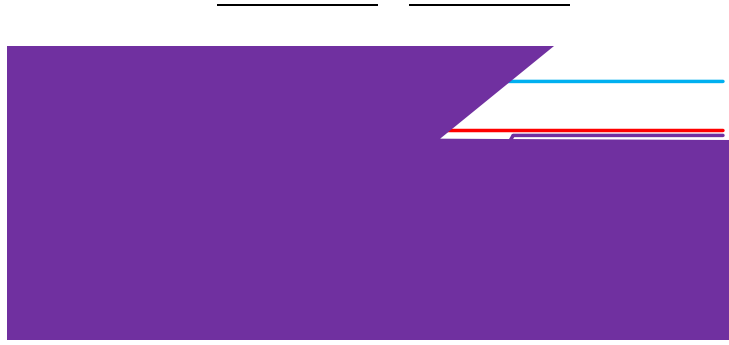
Overview

Enable and Under Voltage Lockout Threshold



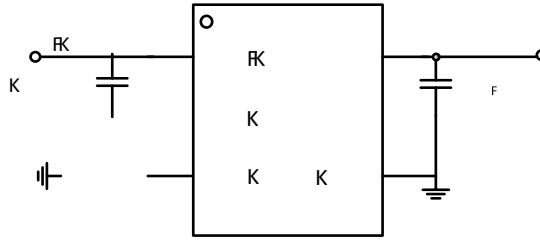
Regulated Output Voltage

SCT71403Q Series



SCT71403Q Series

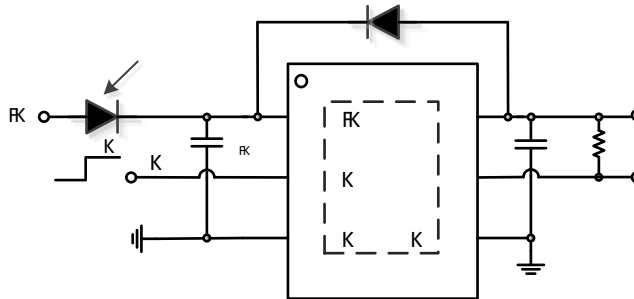
Typical application 1:



Design Parameters

Design Parameters	Example Value

Typical application 2:

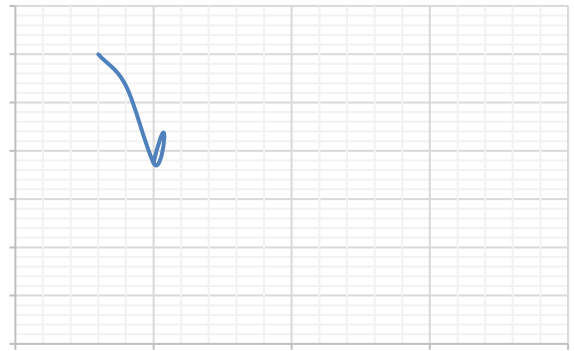
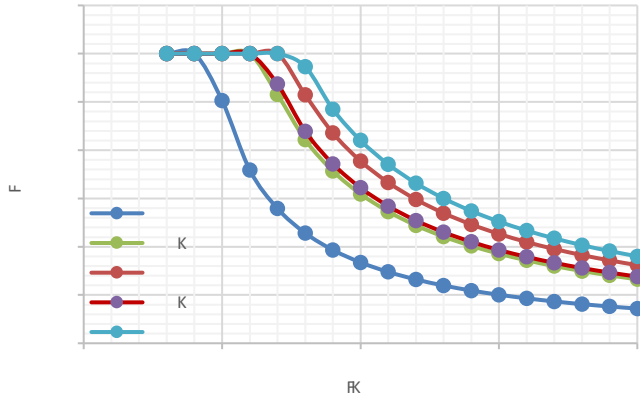


Design Parameters

Design Parameters	Example Value

Power Dissipation and Thermal Performance

SCT71403Q Series



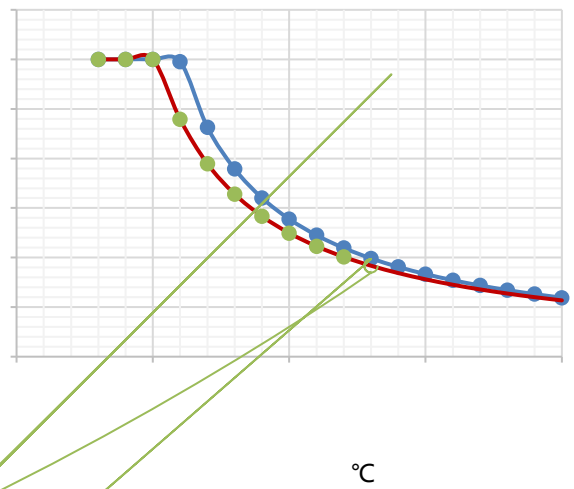
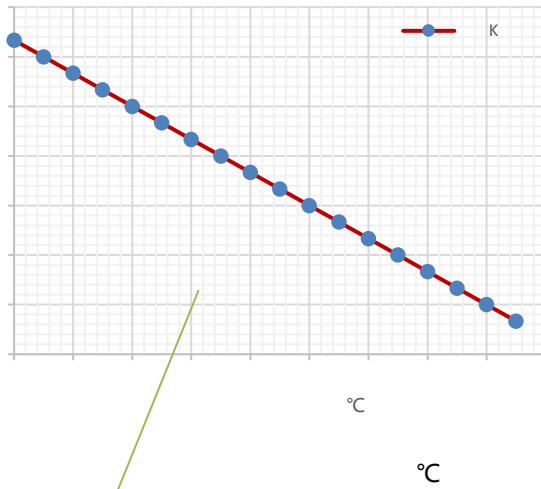
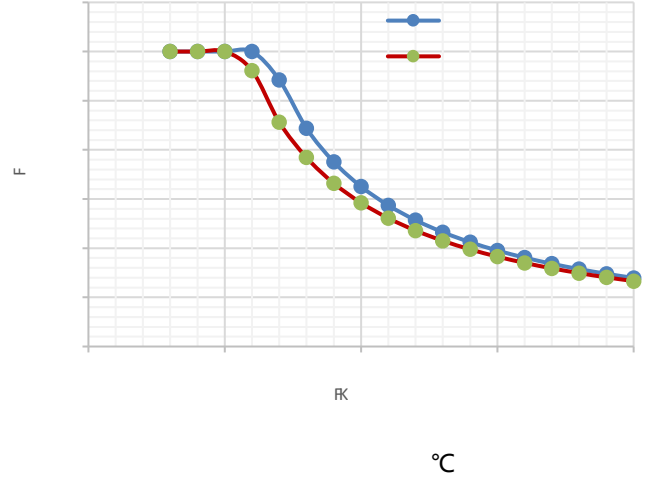
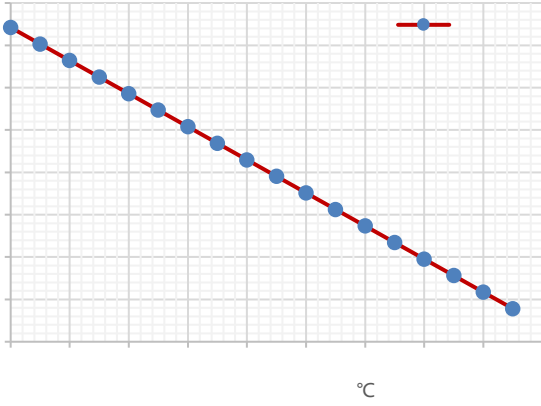
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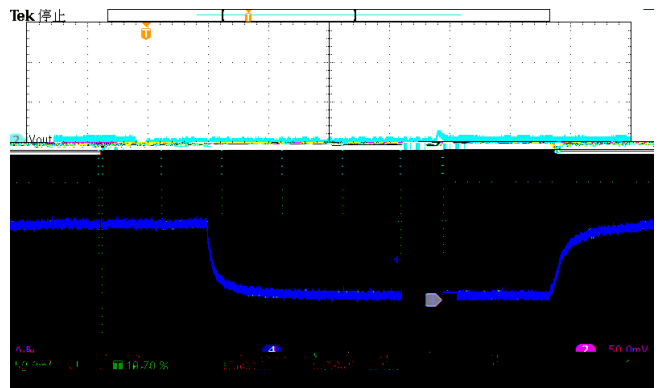
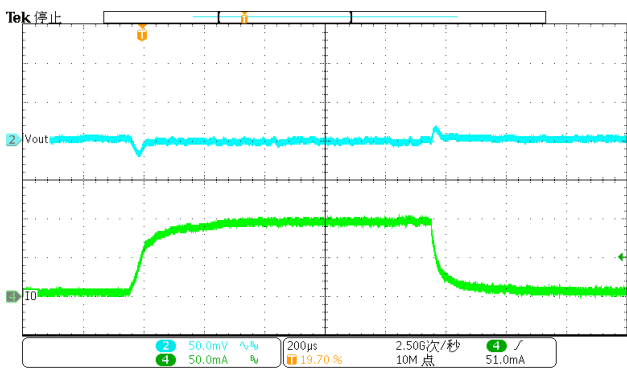
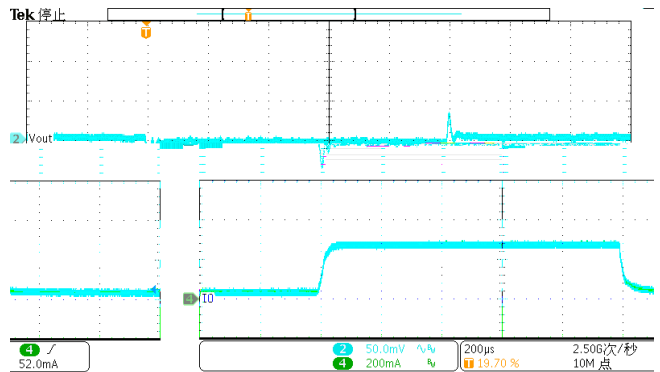
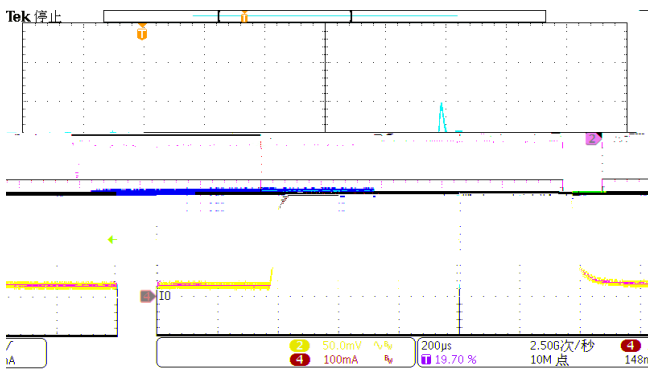
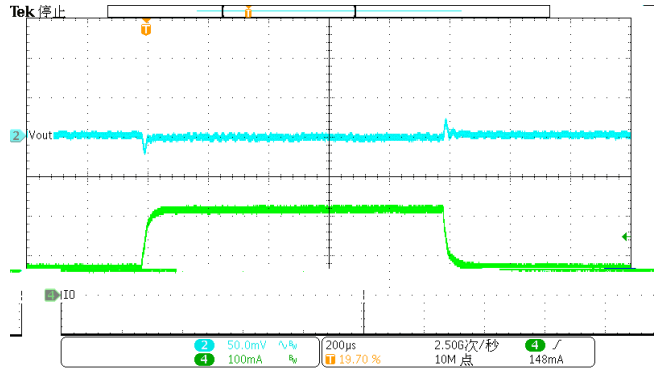
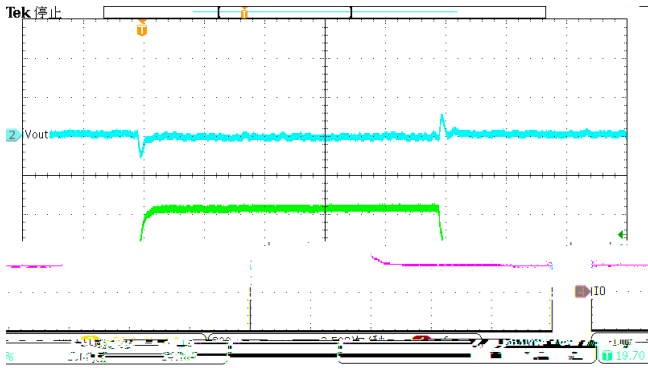
SCT71403Q Series



SCT71403Q Series

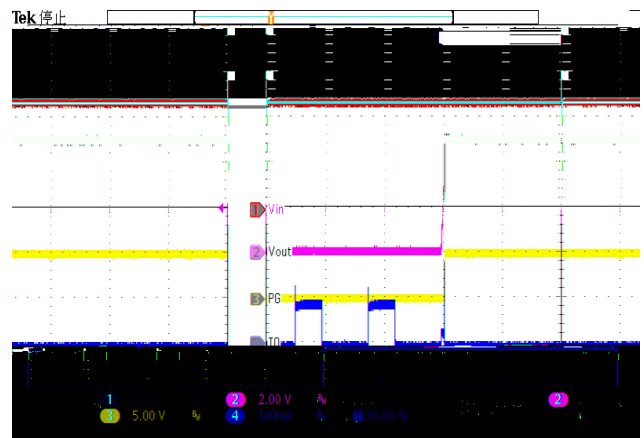
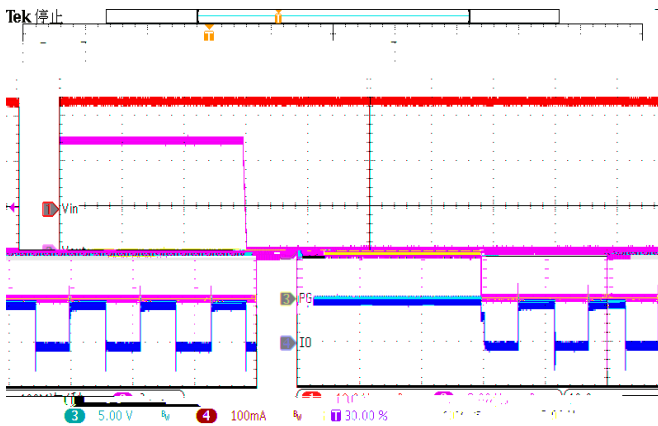
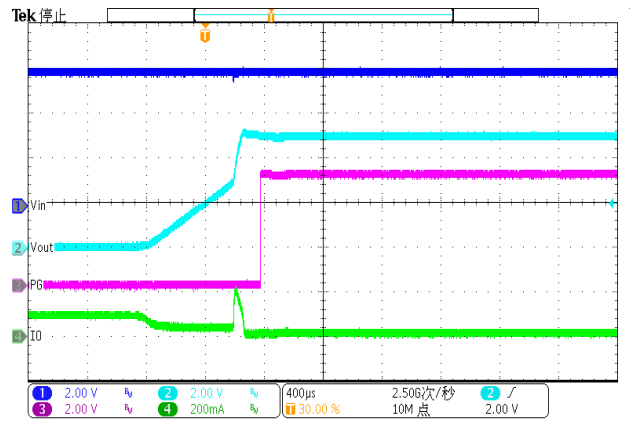
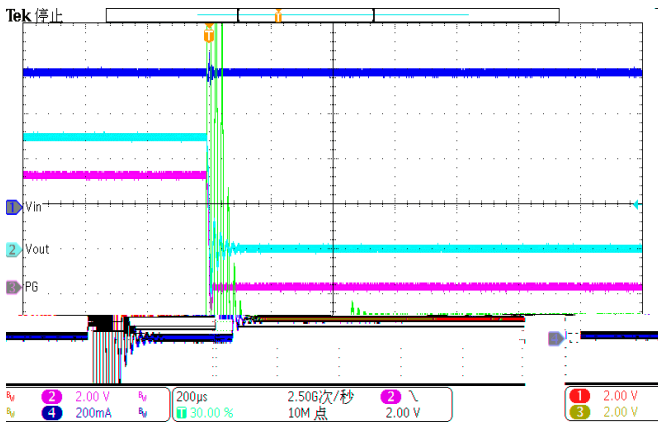
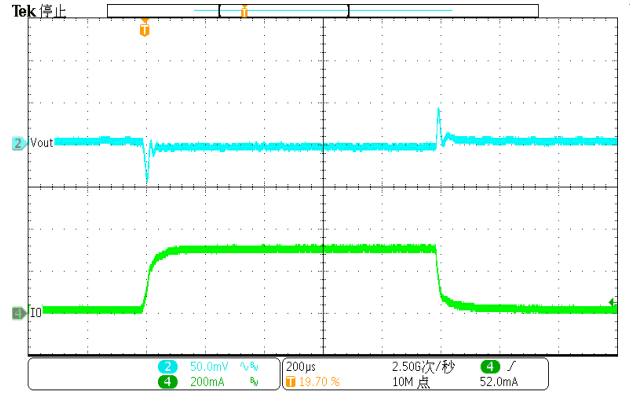
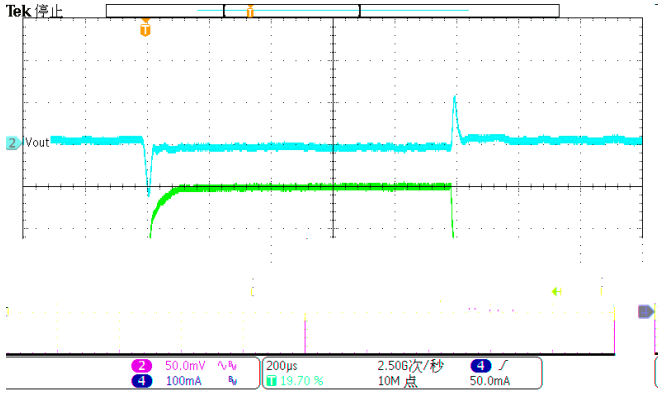
Application Waveforms

Application Waveforms(Continued)



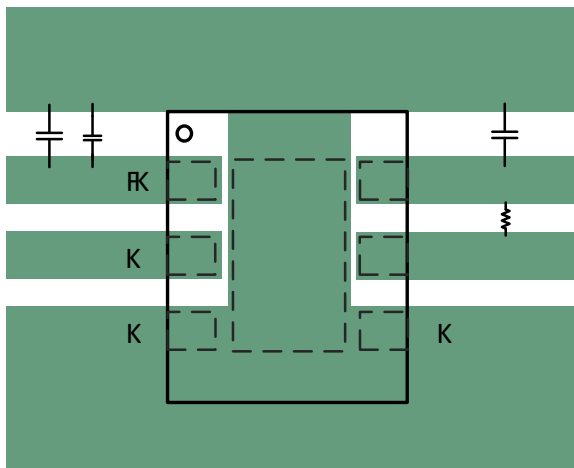
SCT71403Q Series

Application Waveforms(Continued)

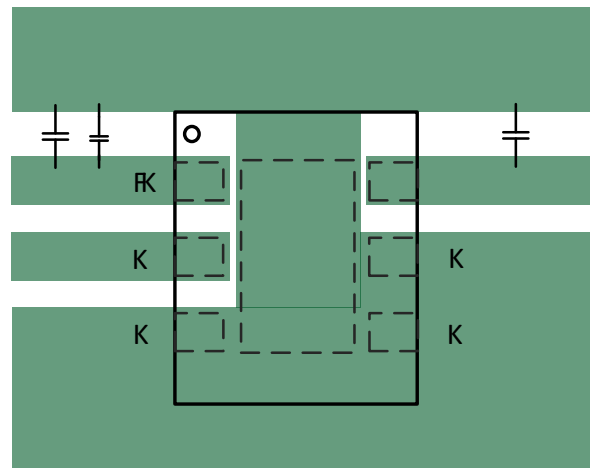


Layout Guideline

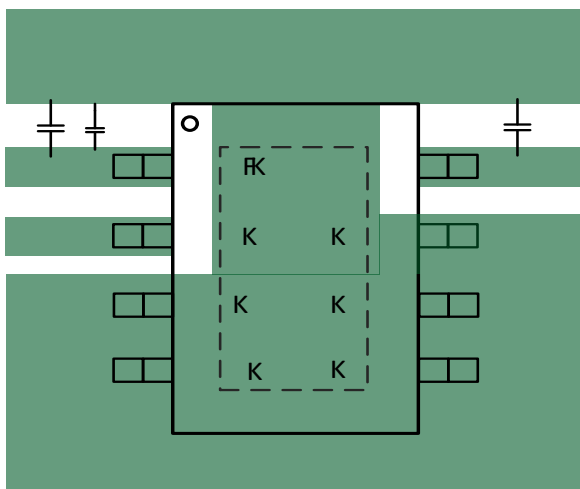
- 1.
- 2.
- 3.
- 4.
- 5.



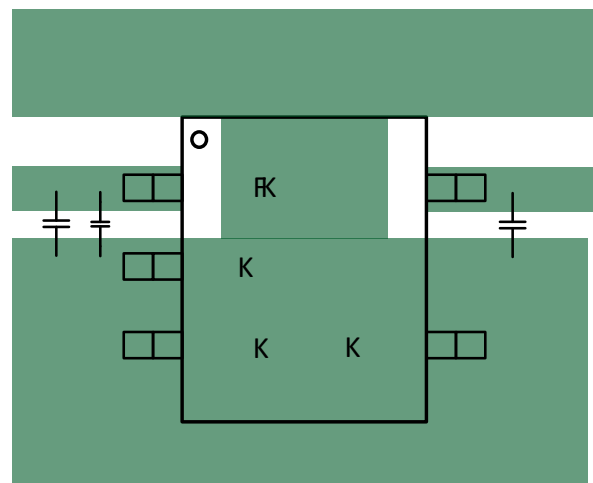
SCT71403FxxAQDVAR



SCT71403FxxQDVAR

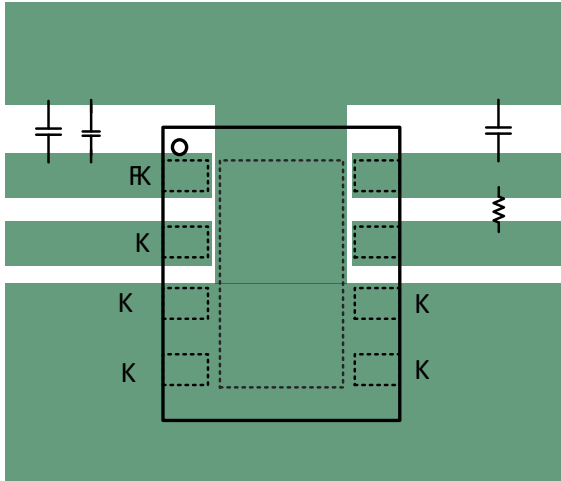


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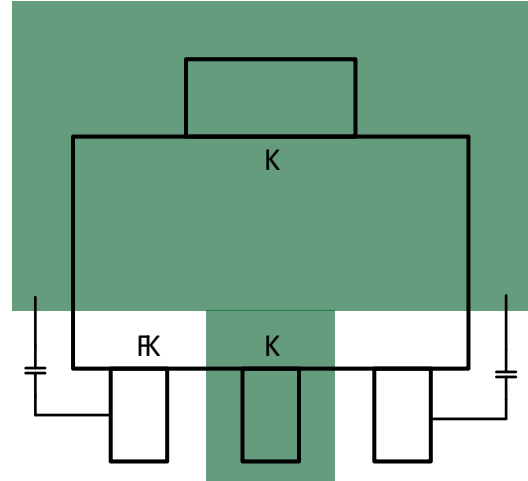


SCT71403FxxQTWDR

SCT71403Q Series

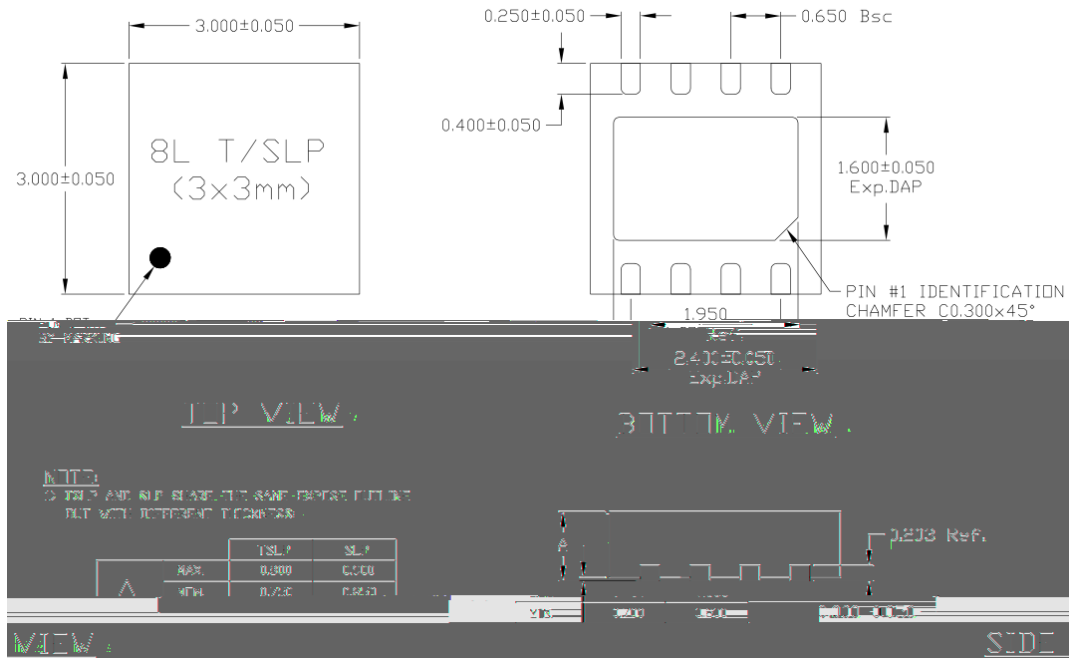


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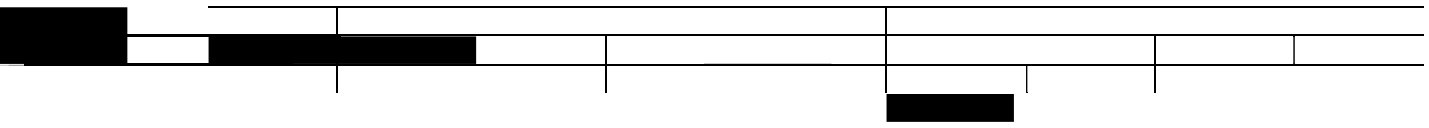
SCT71403FxxQTXER

SCT71403Q Series



NOTE:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.



SCT71403Q Series

NOTICE: