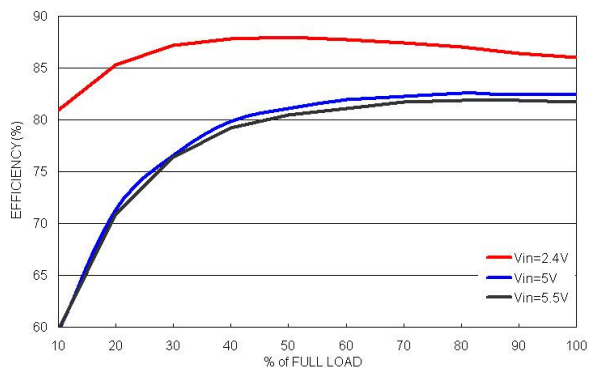
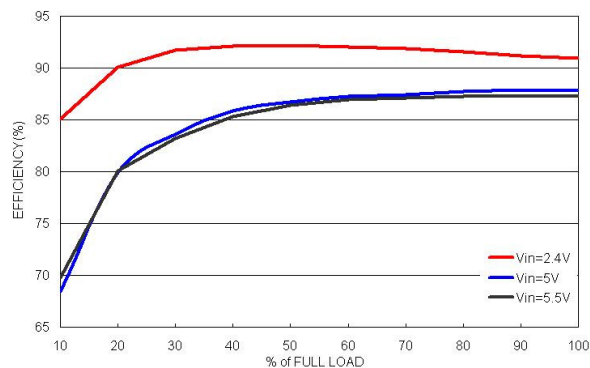
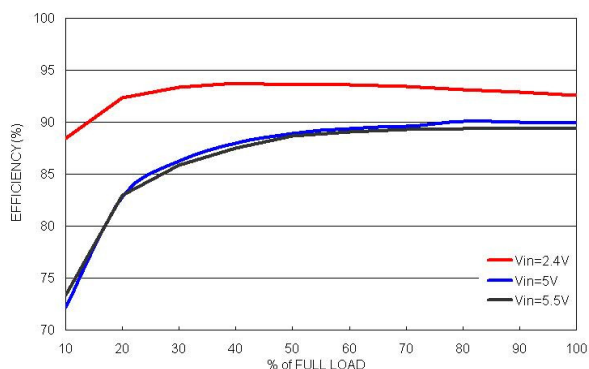
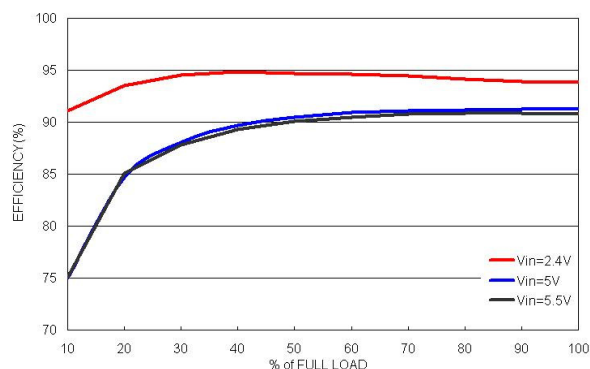
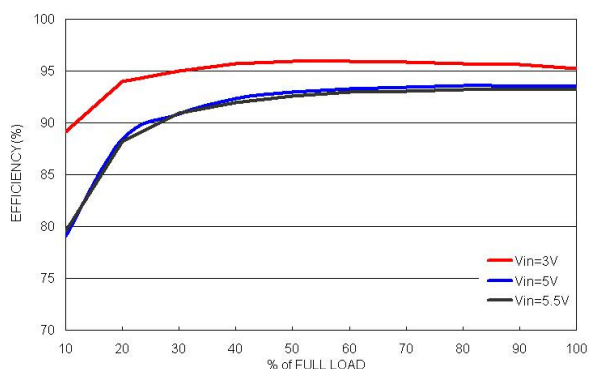
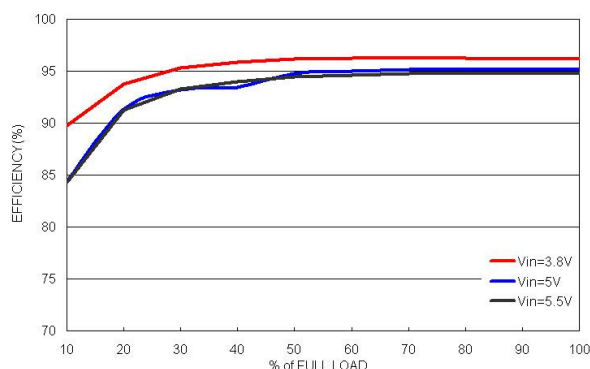
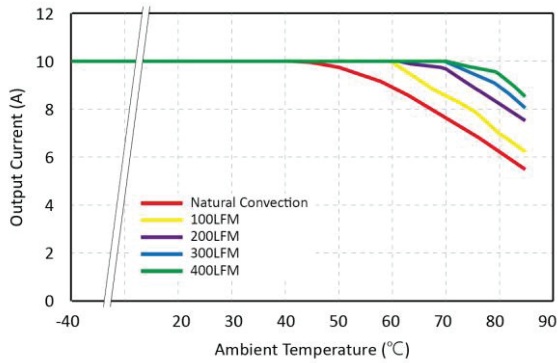


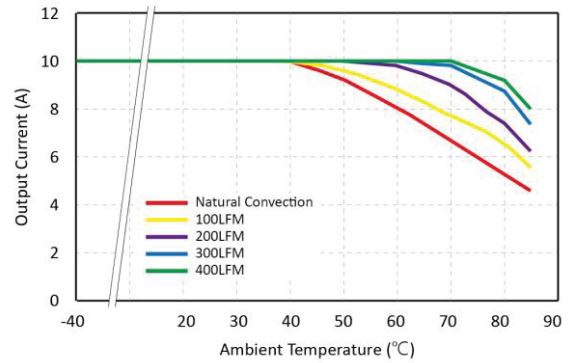
**Characteristic Curves**
**TOS 10-05SIL  
TOS 10-05SM**
**Efficiency versus Output Load at Vout = 0.75 V**

**Efficiency versus Output Load at Vout = 1.2 V**

**Efficiency versus Output Load at Vout = 1.5 V**

**Efficiency versus Output Load at Vout = 1.8 V**

**Efficiency versus Output Load at Vout = 2.5 V**

**Efficiency versus Output Load at Vout = 3.3 V**


### TOS 10-05SIL TOS 10-05SM

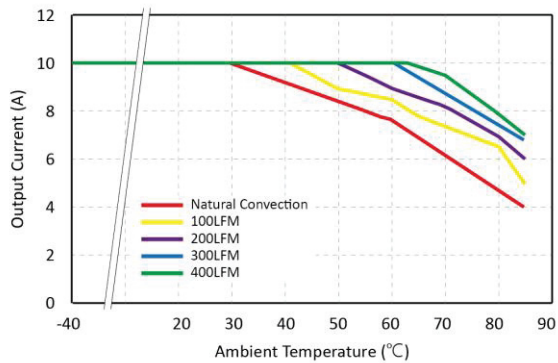
Derating Output Load versus Ambient Temperature  
at  $V_{out} = 0.75\text{ V}$



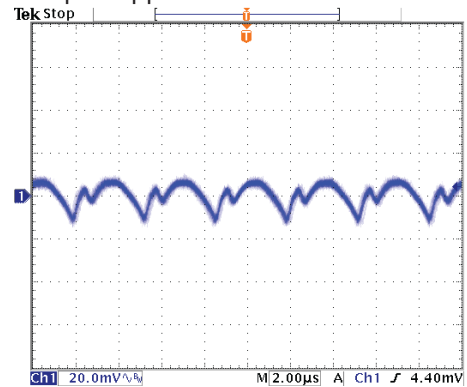
Derating Output Load versus Ambient Temperature  
at  $V_{out} = 1.8\text{ V}$



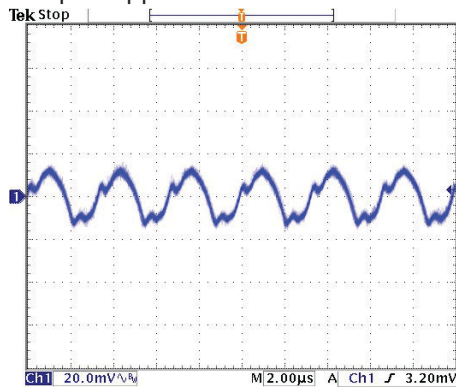
Derating Output Load versus Ambient Temperature  
at  $V_{out} = 3.3\text{ V}$



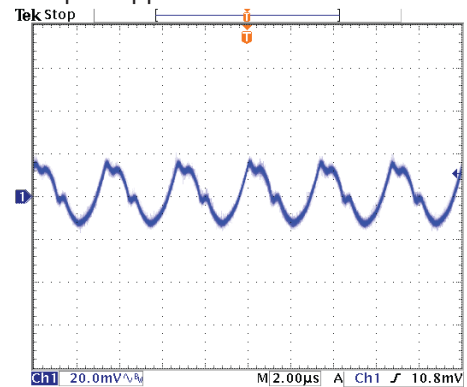
Typical Output Ripple and Noise at  $V_{out} = 0.75\text{ V}$



Typical Output Ripple and Noise at  $V_{out} = 1.8\text{ V}$

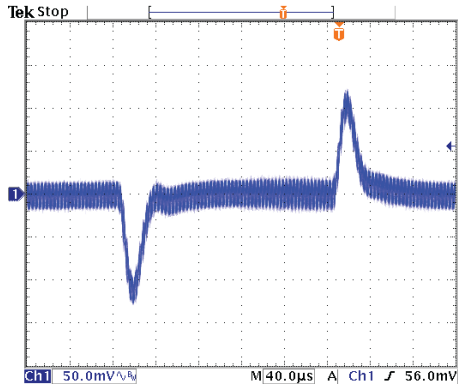


Typical Output Ripple and Noise at  $V_{out} = 3.3\text{ V}$



### TOS 10-05SIL TOS 10-05SM

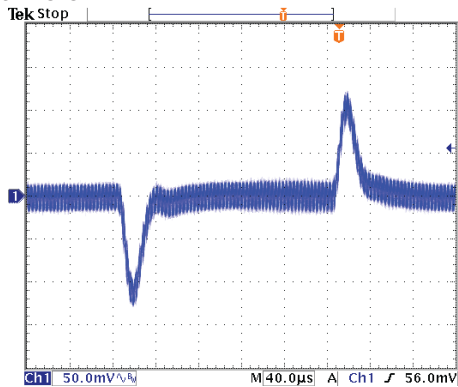
Transient Response to Dynamic Load Change (50%)  
at  $V_{out} = 1.8\text{ V}$



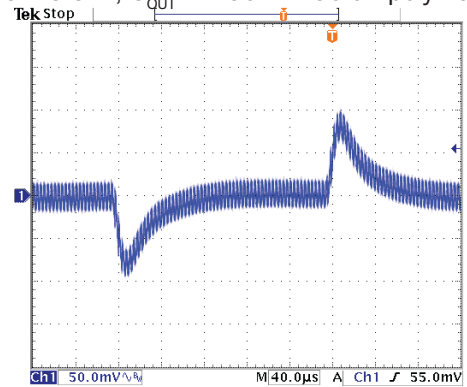
Transient Response to Dynamic Load Change (50%)  
at  $V_{out} = 2.5\text{ V}$



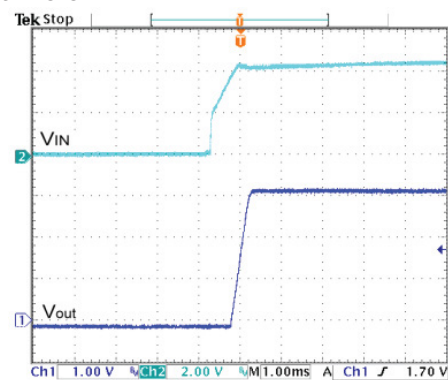
Transient Response to Dynamic Load Change (50%)  
at  $V_{out} = 3.3\text{ V}$



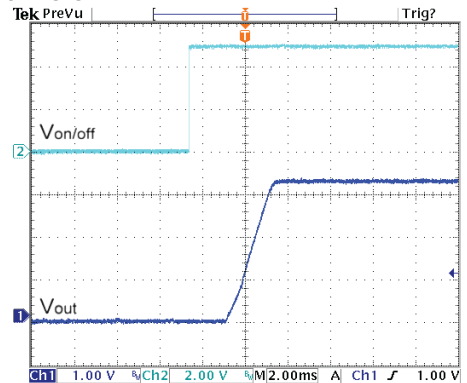
Transient Response to Dynamic Load Change (50%)  
at  $V_{out} = 3.3\text{ V}$ ;  $C_{OUT} = 150 // 150\text{ uF polymerCap.}$

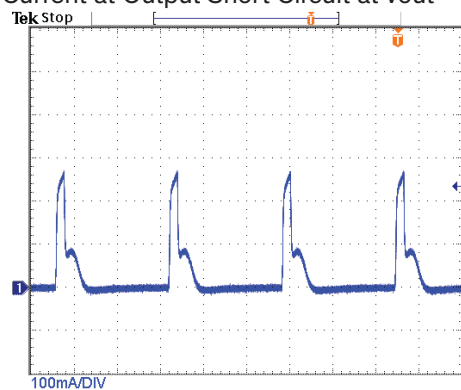


Typical Start-Up and Output Rise Characteristic  
at  $V_{out} = 3.3\text{ V}$



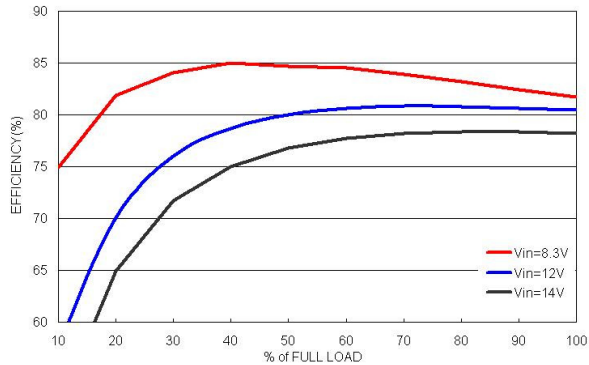
Remote on/off Voltage Start-Up Characteristic  
at  $V_{out} = 3.3\text{ V}$



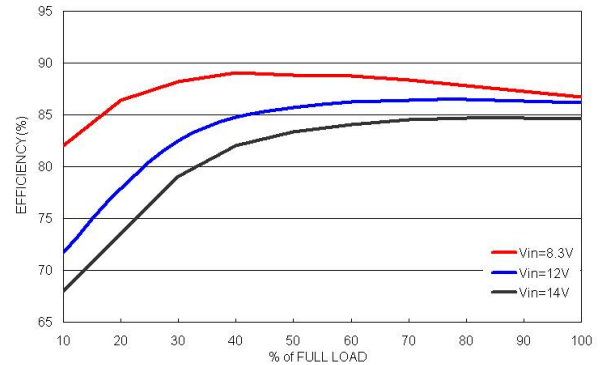
**TOS 10-05SIL****TOS 10-05SM**Input Current at Output Short Circuit at  $V_{out} = 3.3\text{ V}$ 

**TOS 10-12SIL  
TOS 10-12SM**

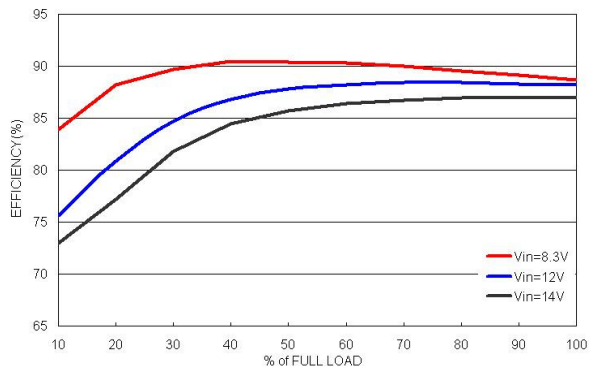
Efficiency versus Output Load at  $V_{out} = 0.75\text{ V}$



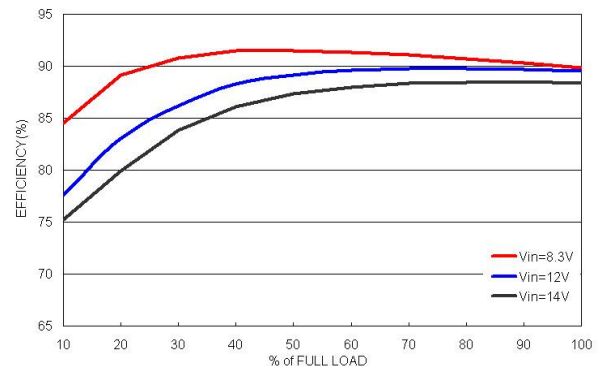
Efficiency versus Output Load at  $V_{out} = 1.2\text{ V}$



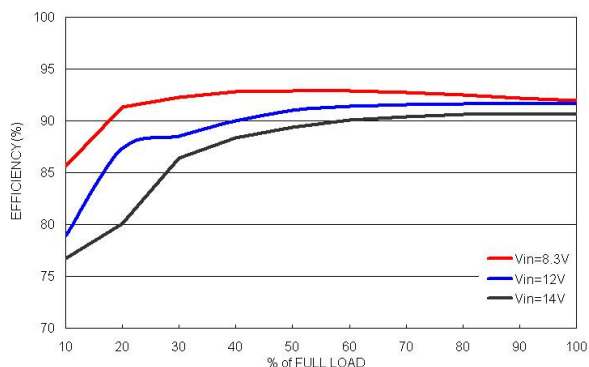
Efficiency versus Output Load at  $V_{out} = 1.5\text{ V}$



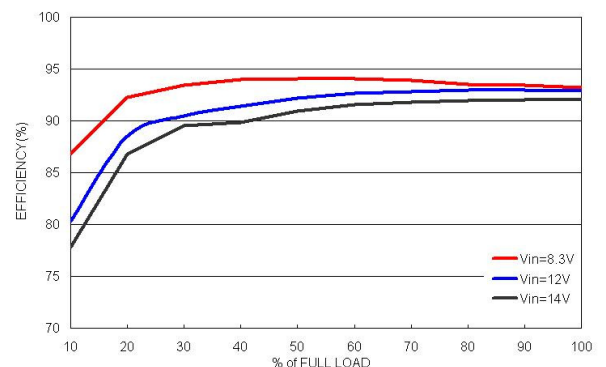
Efficiency versus Output Load at  $V_{out} = 1.8\text{ V}$



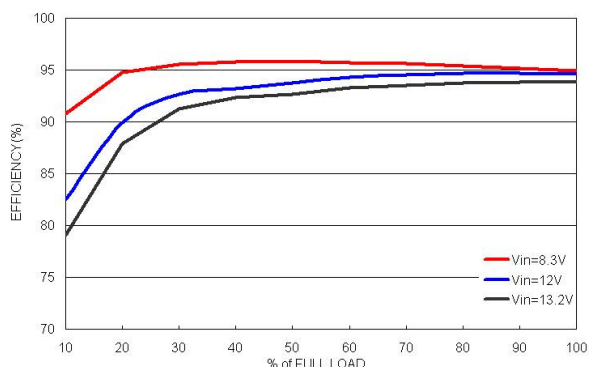
Efficiency versus Output Load at  $V_{out} = 2.5\text{ V}$



Efficiency versus Output Load at  $V_{out} = 3.3\text{ V}$

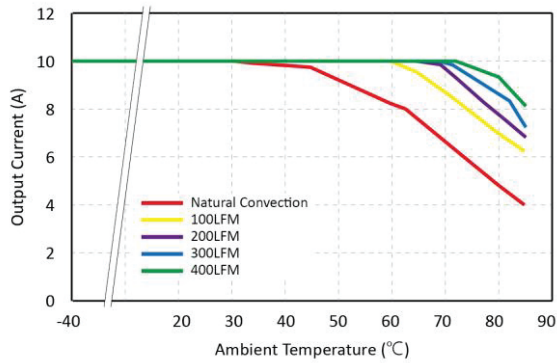


Efficiency versus Output Load at  $V_{out} = 5\text{ V}$

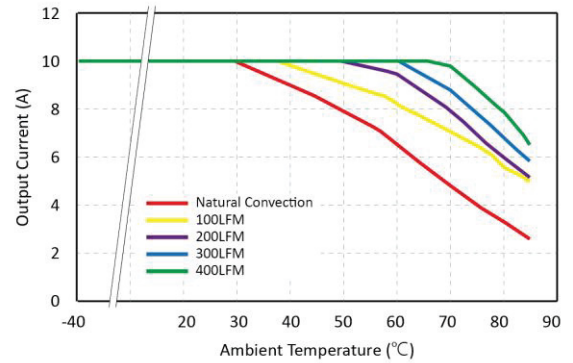


### TOS 10-12SIL TOS 10-12SM

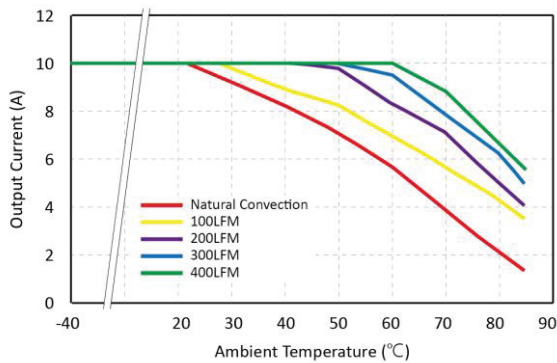
Derating Output Load versus Ambient Temperature  
at  $V_{out} = 0.75\text{ V}$



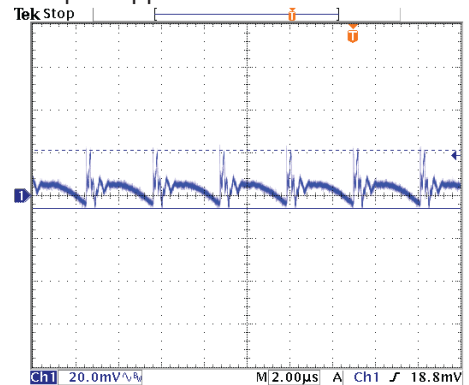
Derating Output Load versus Ambient Temperature  
at  $V_{out} = 3.3\text{ V}$



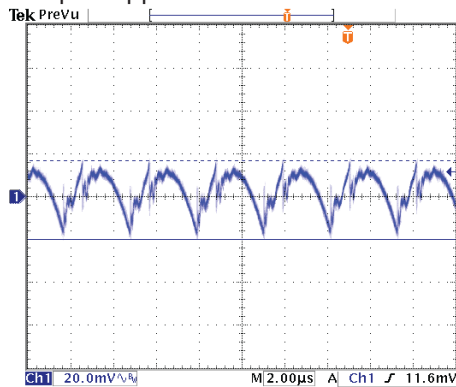
Derating Output Load versus Ambient Temperature  
at  $V_{out} = 5.0\text{ V}$



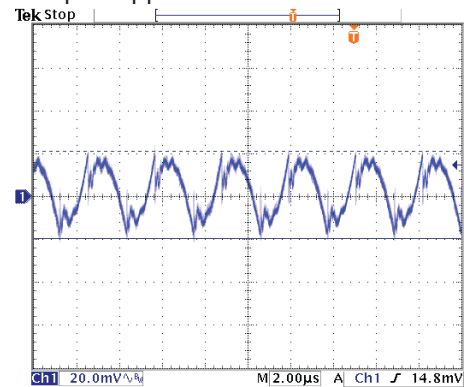
Typical Output Ripple and Noise at  $V_{out} = 0.75\text{ V}$



Typical Output Ripple and Noise at  $V_{out} = 3.3\text{ V}$

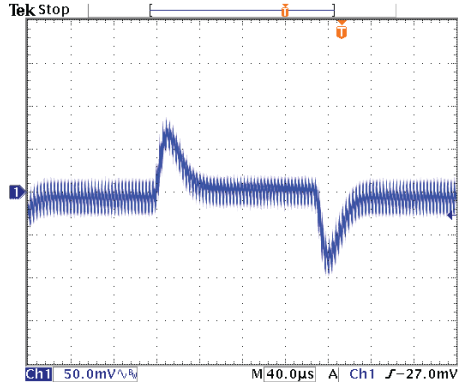


Typical Output Ripple and Noise at  $V_{out} = 5.0\text{ V}$

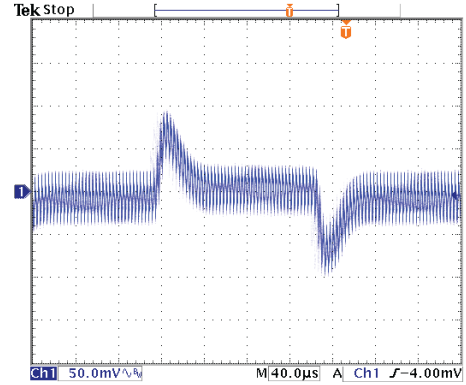


### TOS 10-12SIL TOS 10-12SM

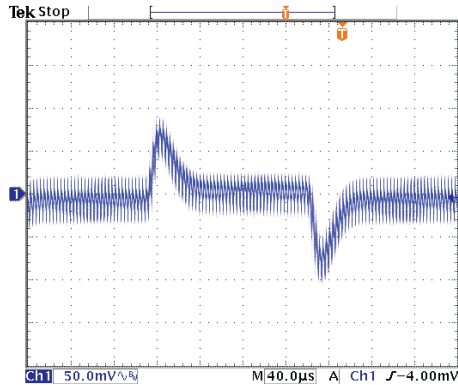
Transient Response to Dynamic Load Change (50%)  
at  $V_{out} = 1.8\text{ V}$



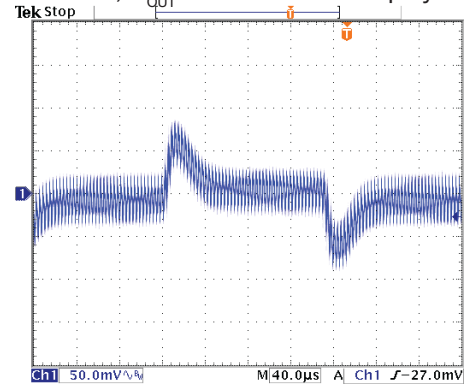
Transient Response to Dynamic Load Change (50%)  
at  $V_{out} = 3.3\text{ V}$



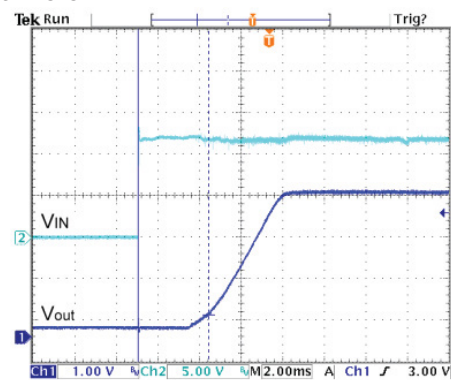
Transient Response to Dynamic Load Change (50%)  
at  $V_{out} = 5.0\text{ V}$



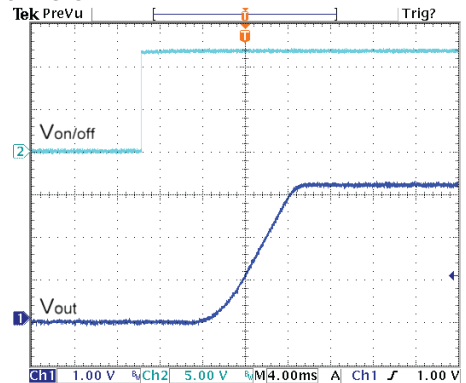
Transient Response to Dynamic Load Change (50%)  
at  $V_{out} = 5.0\text{ V}$ ;  $C_{OUT} = 150\text{ } // \text{ } 150\text{ }\mu\text{F}$  polymerCap.



Typical Start-Up and Output Rise Characteristic  
at  $V_{out} = 3.3\text{ V}$



Remote on/off Voltage Start-Up Characteristic  
at  $V_{out} = 3.3\text{ V}$



**TOS 10-12SIL  
TOS 10-12SM**Input Current at Output Short Circuit at  $V_{out} = 3.3\text{ V}$ 