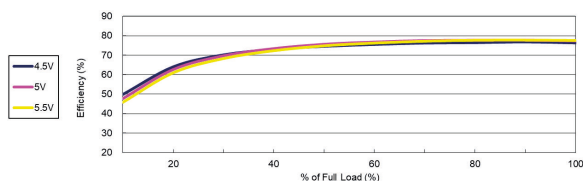


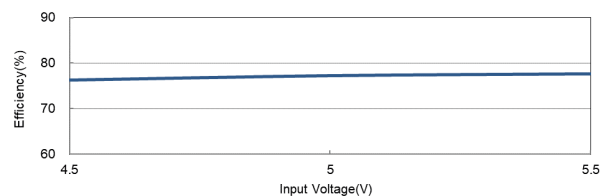
### Characteristic Curves

#### TSM 0505S

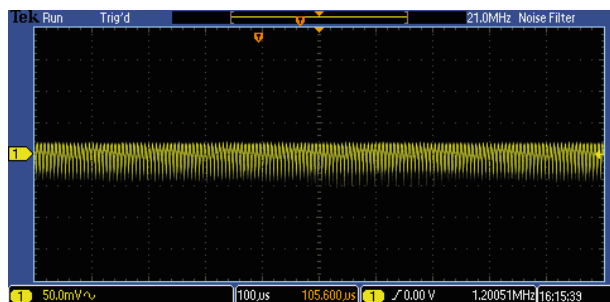
##### Efficiency versus Output Load



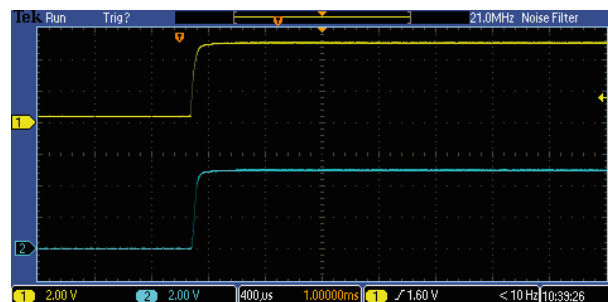
##### Efficiency versus Input Voltage



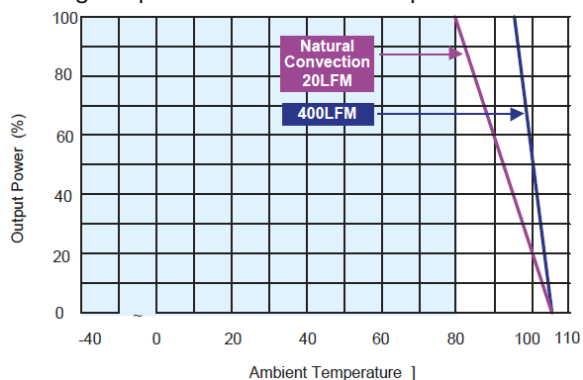
##### Typical Output Ripple and Noise (with external capacitor; see datasheet)



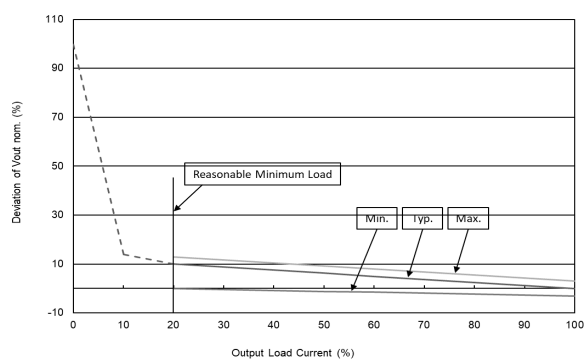
##### Typical Input Start-Up and Output Rise Characteristic



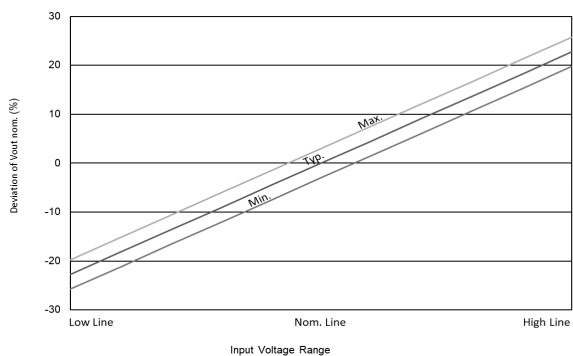
##### Derating Output versus Ambient Temperature



##### Load Variation versus Output Voltage

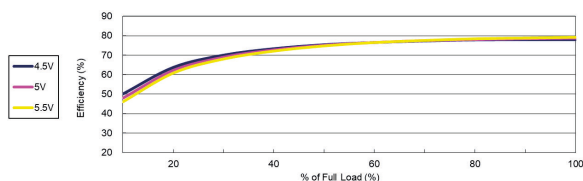


##### Input Variation versus Output Voltage

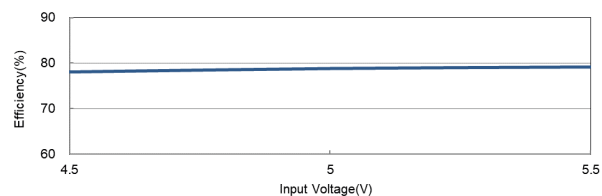


### TSM 0509S

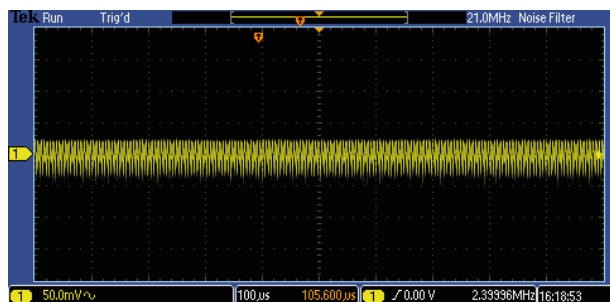
#### Efficiency versus Output Load



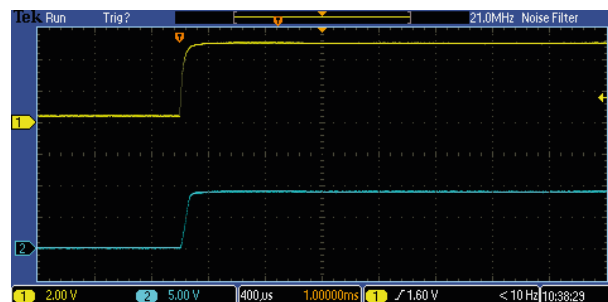
#### Efficiency versus Input Voltage



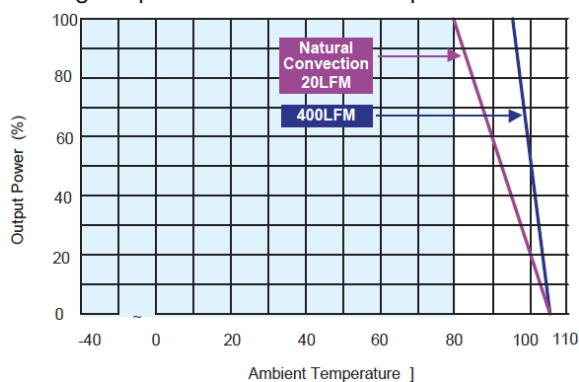
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



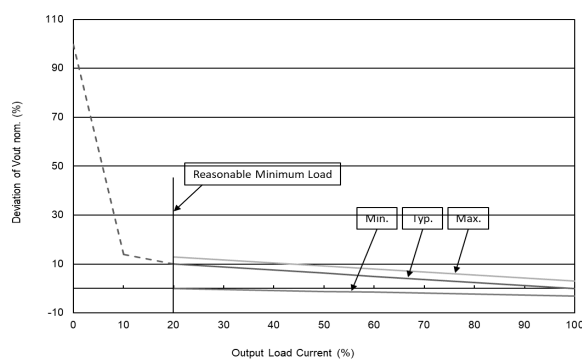
#### Typical Input Start-Up and Output Rise Characteristic



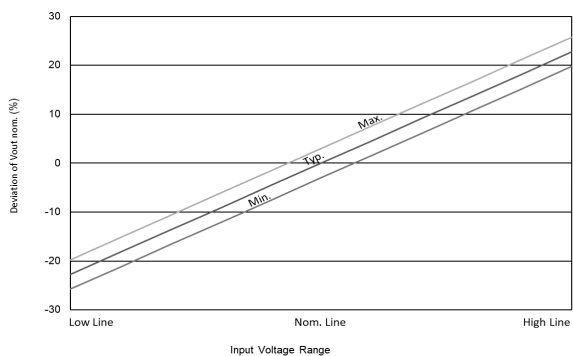
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

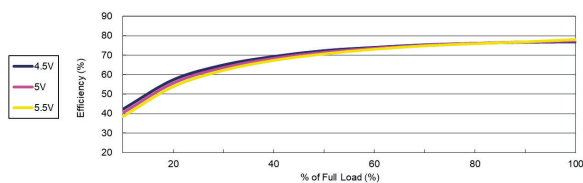


#### Input Variation versus Output Voltage

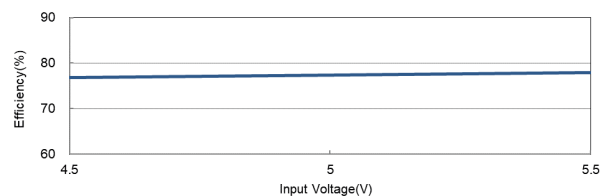


### TSM 0512S

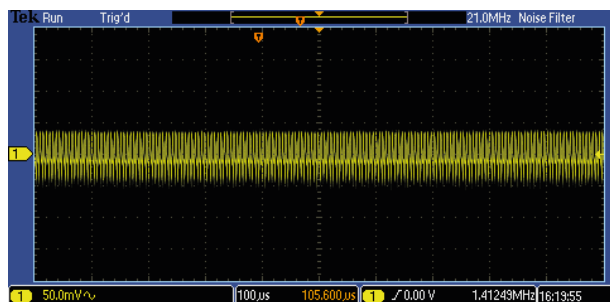
#### Efficiency versus Output Load



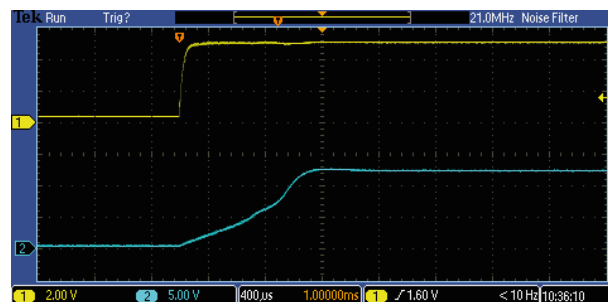
#### Efficiency versus Input Voltage



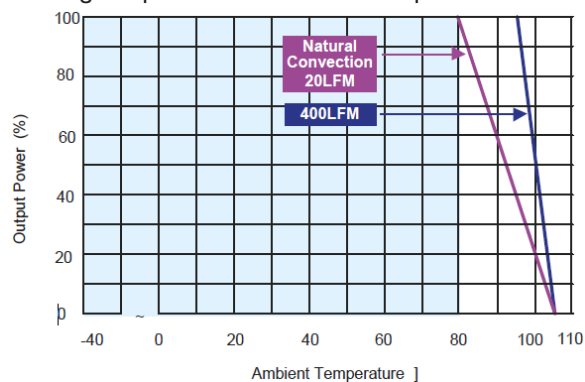
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



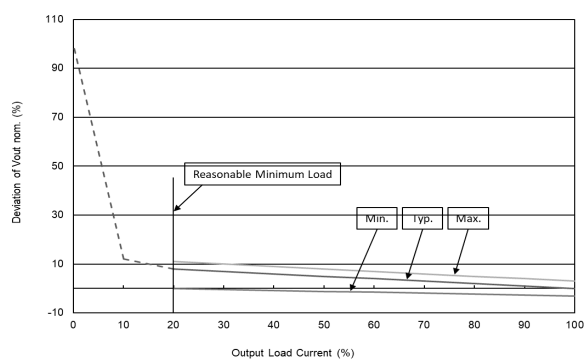
#### Typical Input Start-Up and Output Rise Characteristic



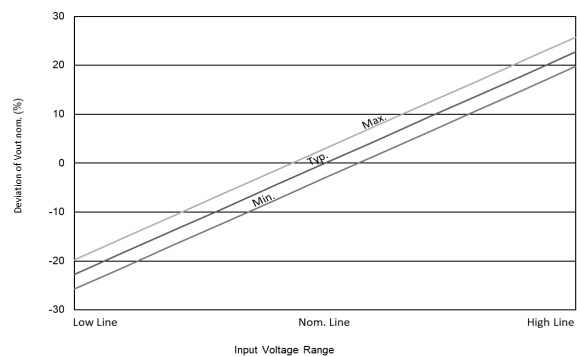
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

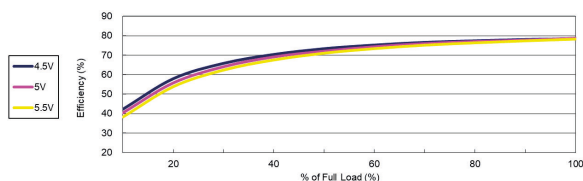


#### Input Variation versus Output Voltage

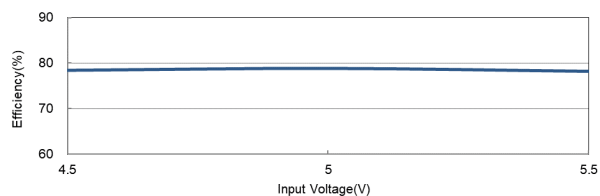


### TSM 0515S

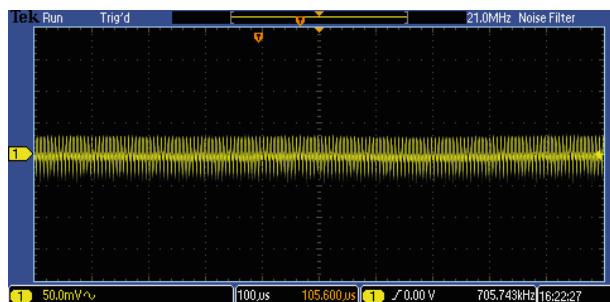
#### Efficiency versus Output Load



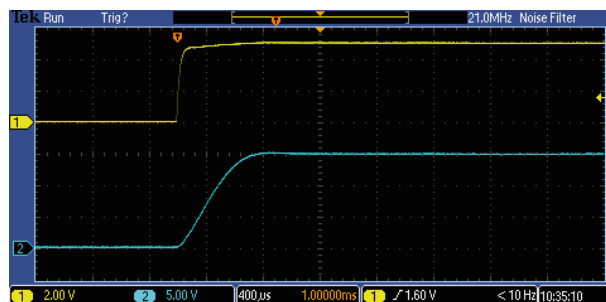
#### Efficiency versus Input Voltage



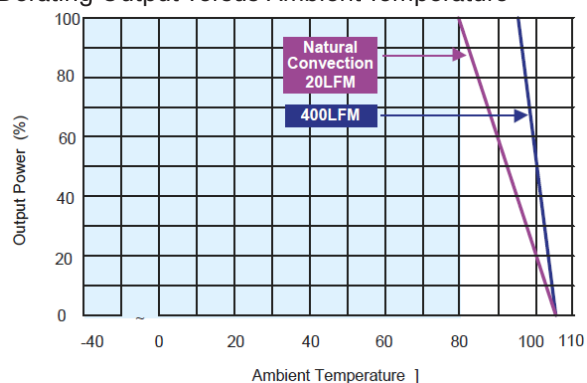
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



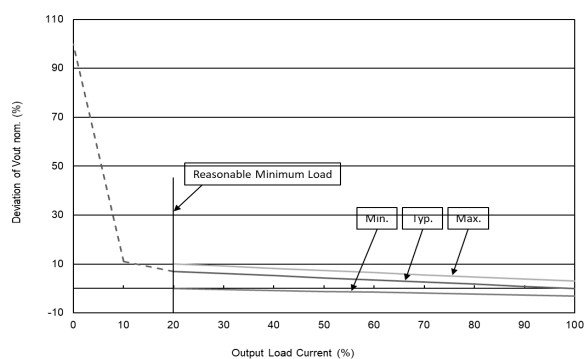
#### Typical Input Start-Up and Output Rise Characteristic



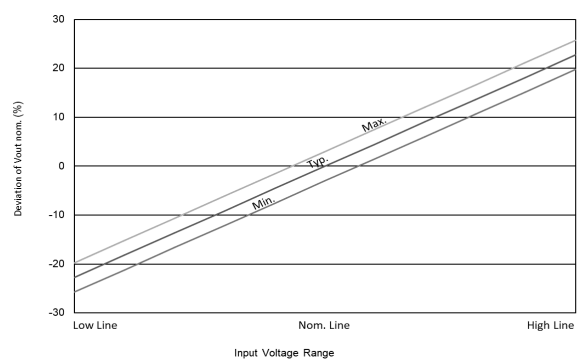
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

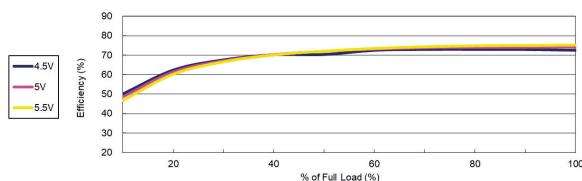


#### Input Variation versus Output Voltage

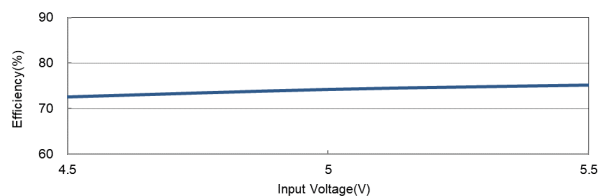


### TSM 0505D

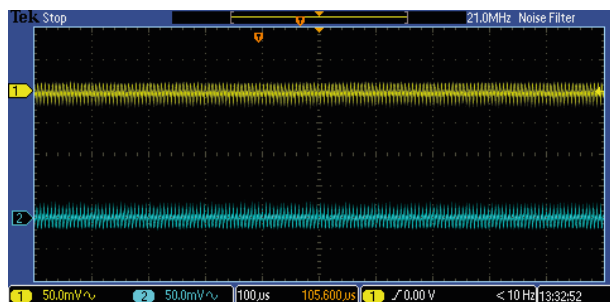
#### Efficiency versus Output Load



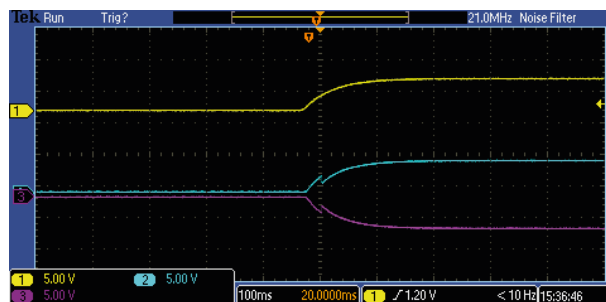
#### Efficiency versus Input Voltage



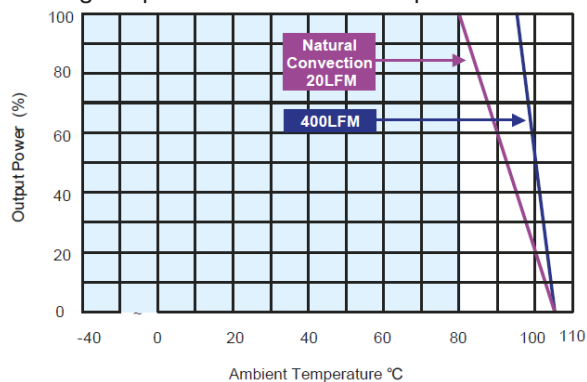
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



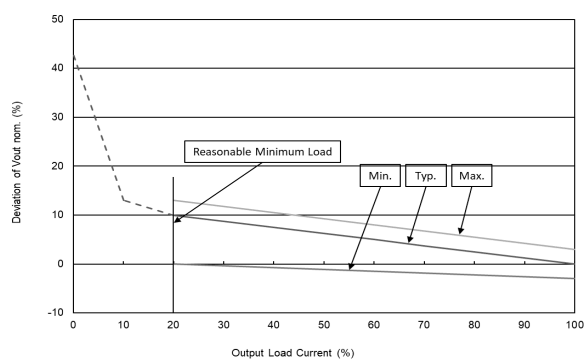
#### Typical Input Start-Up and Output Rise Characteristic



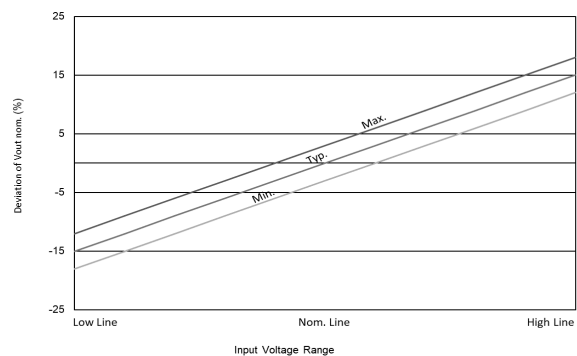
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

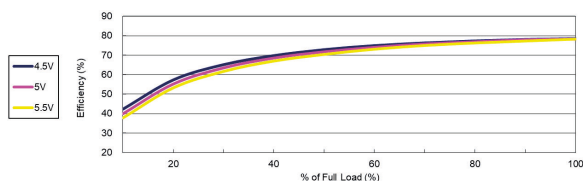


#### Input Variation versus Output Voltage

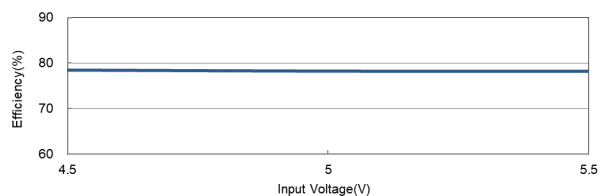


### TSM 0512D

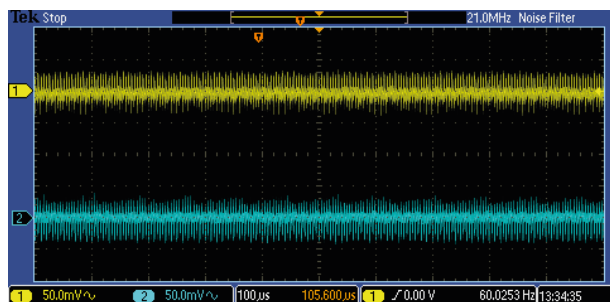
#### Efficiency versus Output Load



#### Efficiency versus Input Voltage



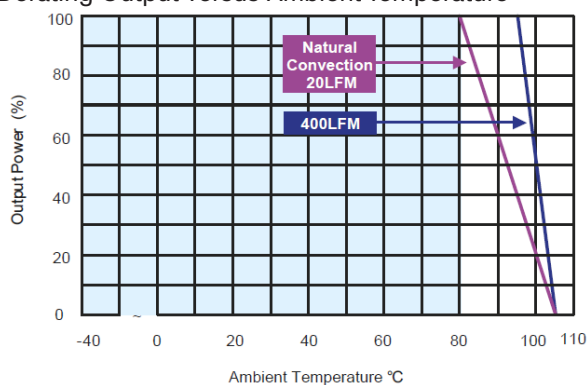
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



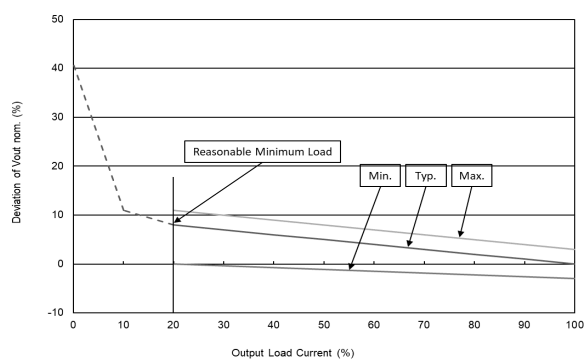
#### Typical Input Start-Up and Output Rise Characteristic



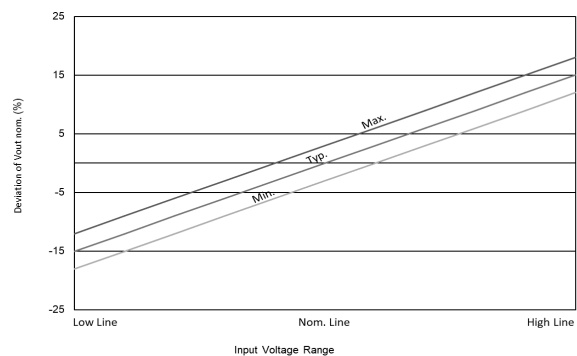
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

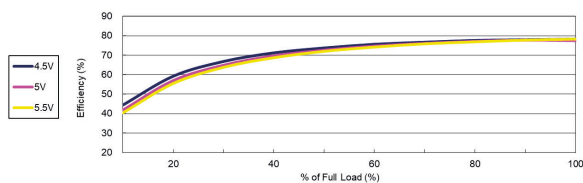


#### Input Variation versus Output Voltage

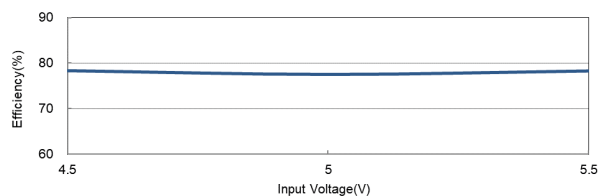


### TSM 0515D

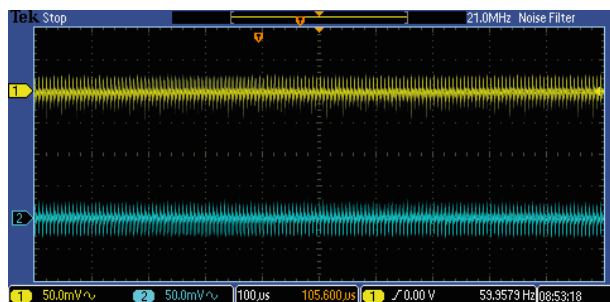
#### Efficiency versus Output Load



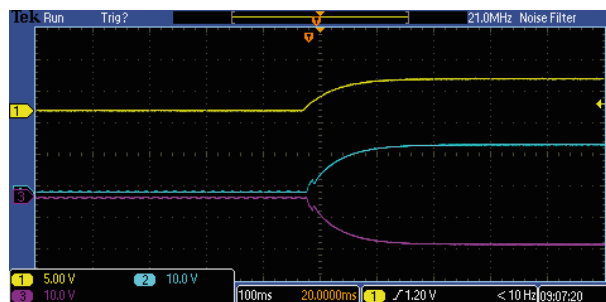
#### Efficiency versus Input Voltage



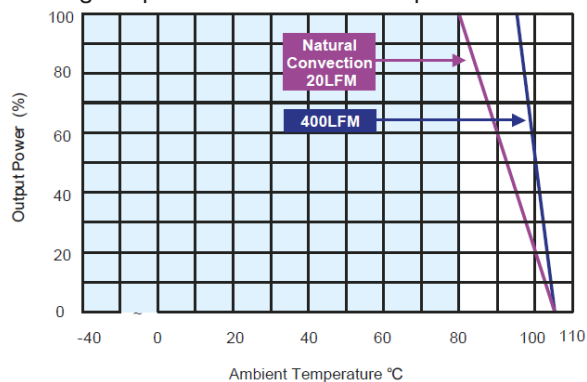
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



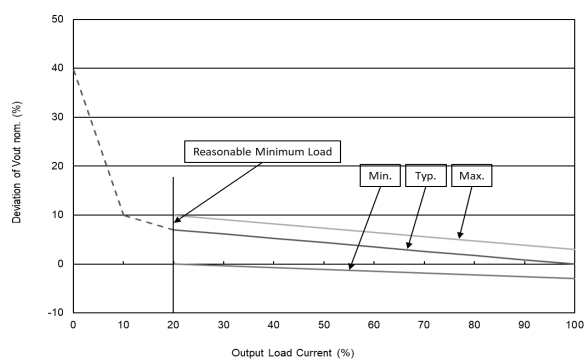
#### Typical Input Start-Up and Output Rise Characteristic



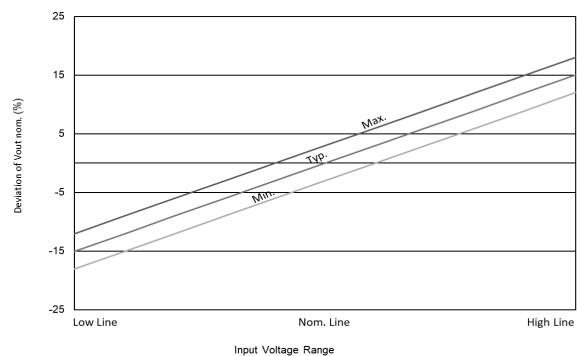
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

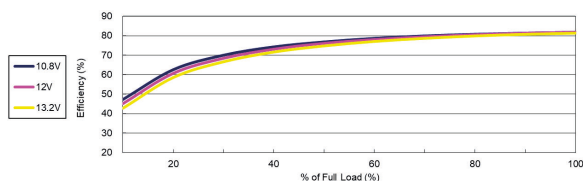


#### Input Variation versus Output Voltage

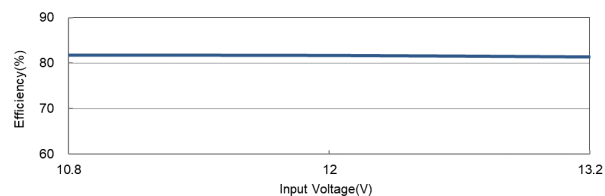


### TSM 1205S

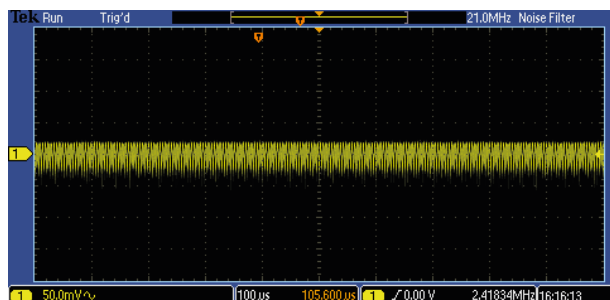
#### Efficiency versus Output Load



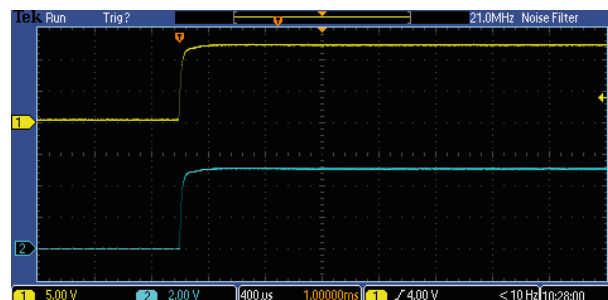
#### Efficiency versus Input Voltage



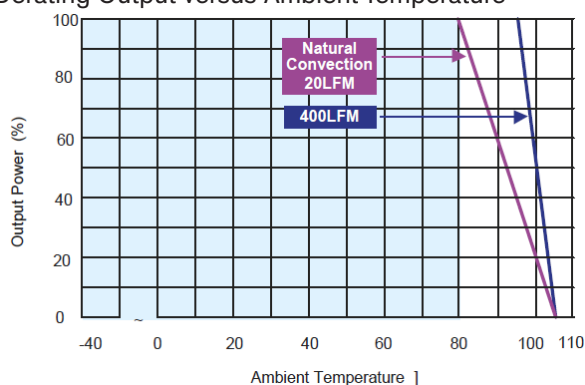
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



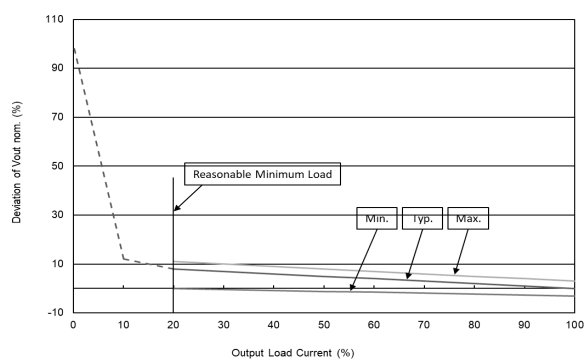
#### Typical Input Start-Up and Output Rise Characteristic



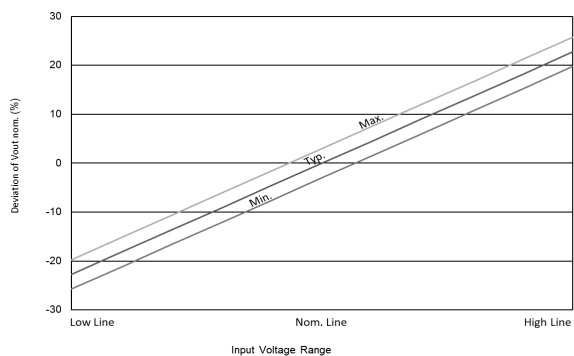
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage



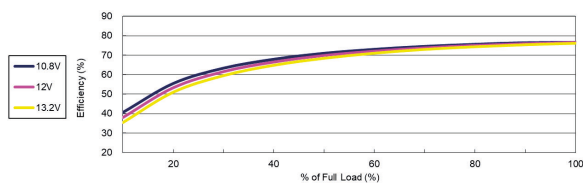
#### Input Variation versus Output Voltage



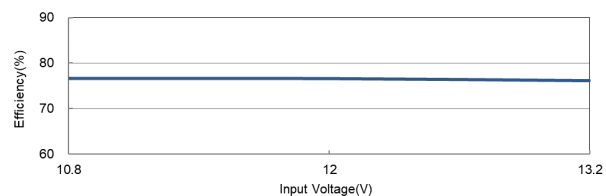


### TSM 1209S

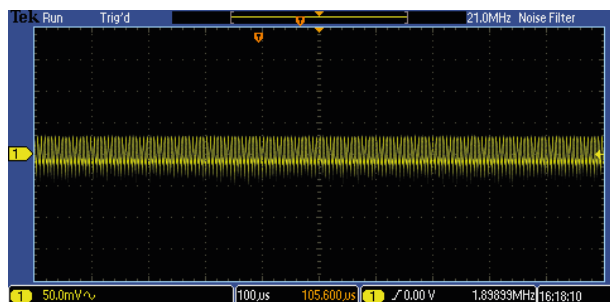
#### Efficiency versus Output Load



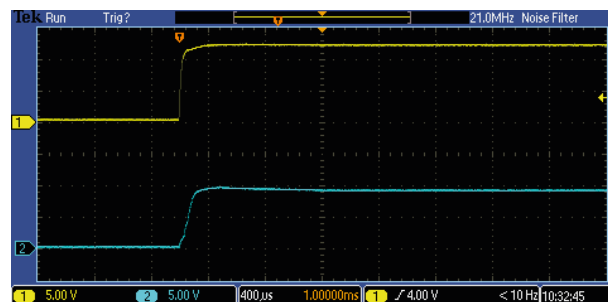
#### Efficiency versus Input Voltage



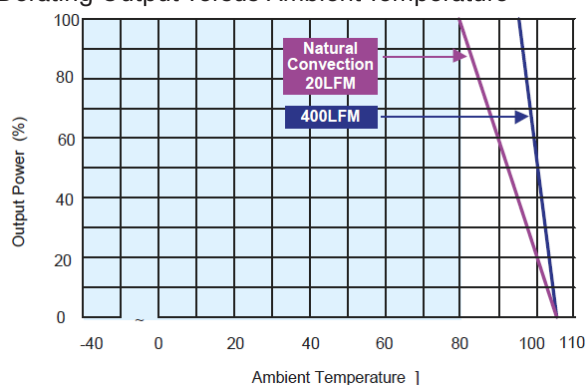
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



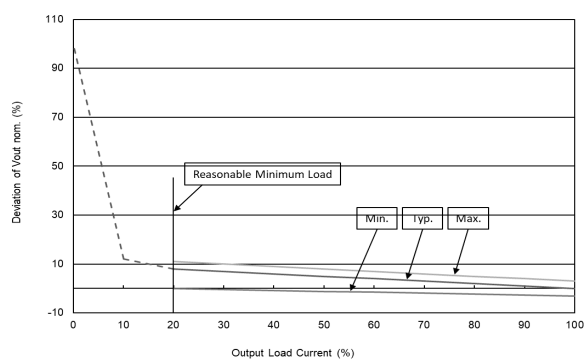
#### Typical Input Start-Up and Output Rise Characteristic



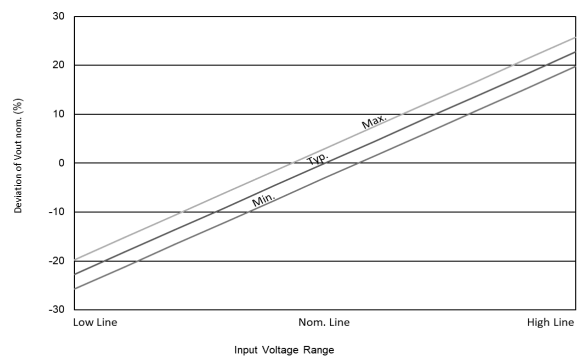
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

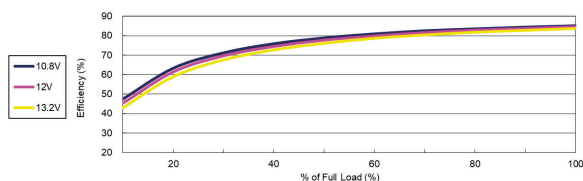


#### Input Variation versus Output Voltage

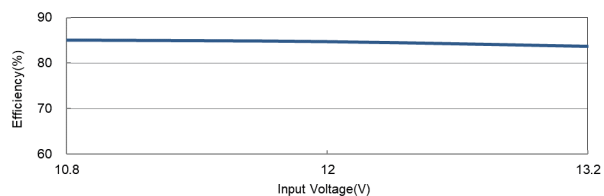


### TSM 1212S

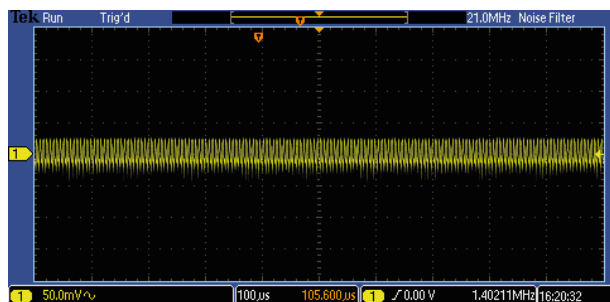
#### Efficiency versus Output Load



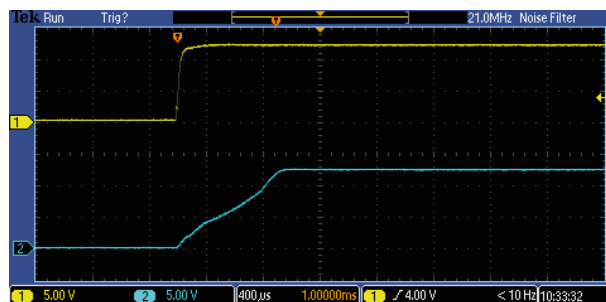
#### Efficiency versus Input Voltage



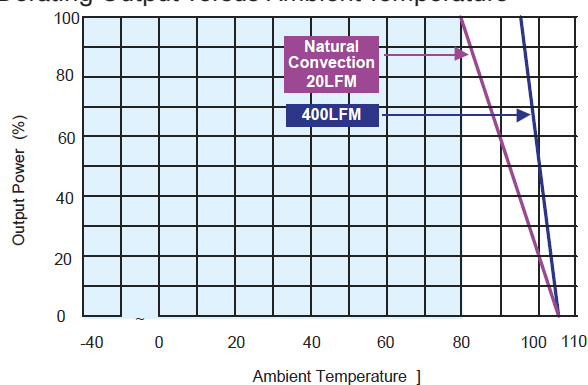
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



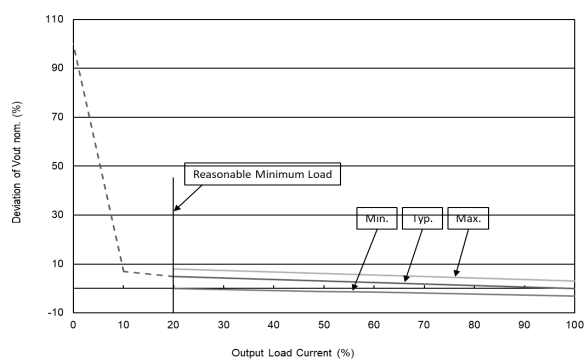
#### Typical Input Start-Up and Output Rise Characteristic



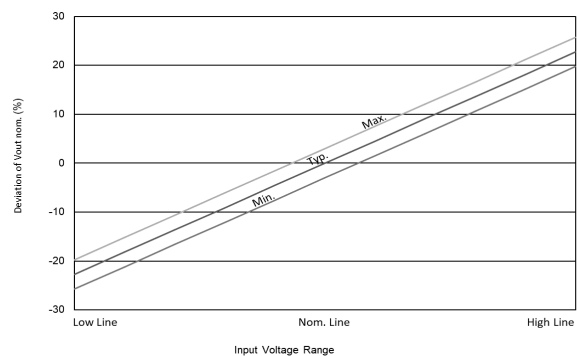
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

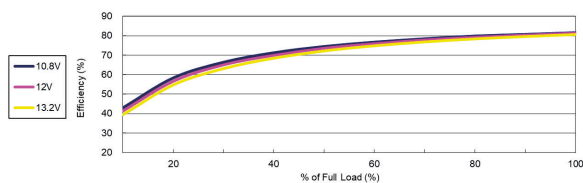


#### Input Variation versus Output Voltage

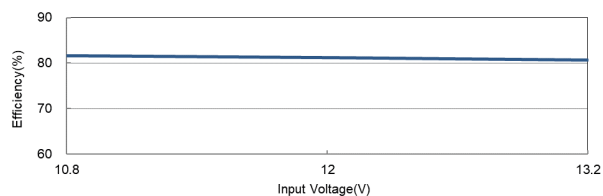


### TSM 1215S

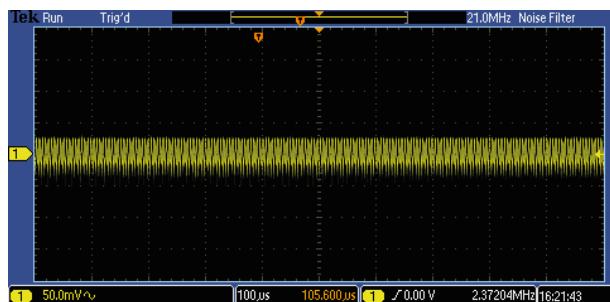
#### Efficiency versus Output Load



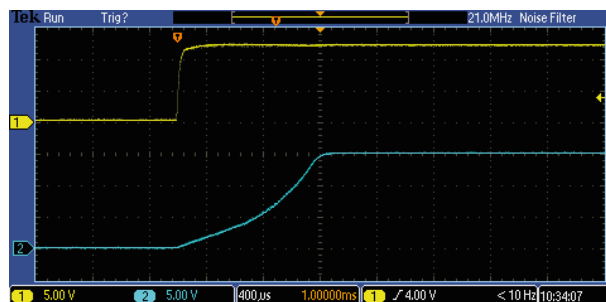
#### Efficiency versus Input Voltage



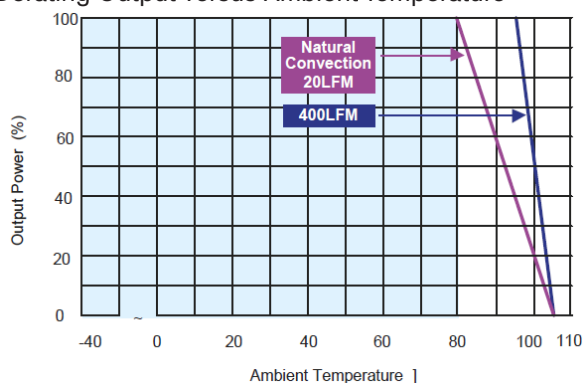
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



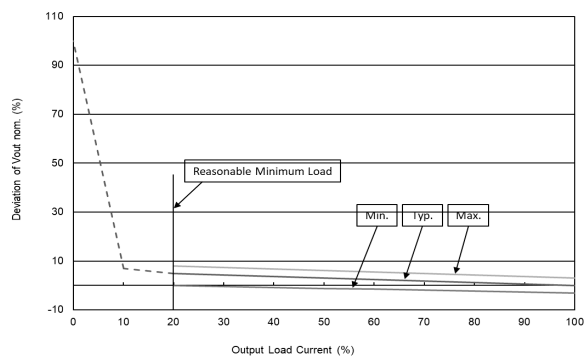
#### Typical Input Start-Up and Output Rise Characteristic



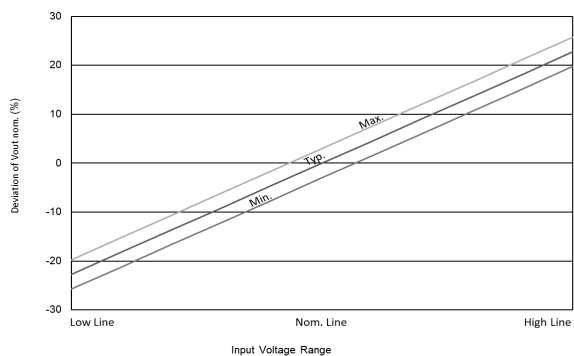
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

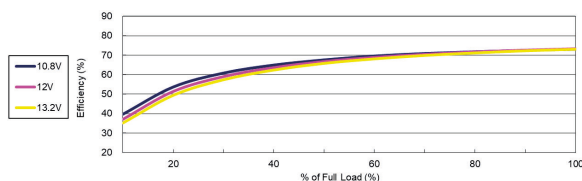


#### Input Variation versus Output Voltage

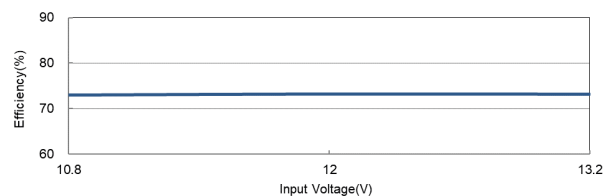


### TSM 1205D

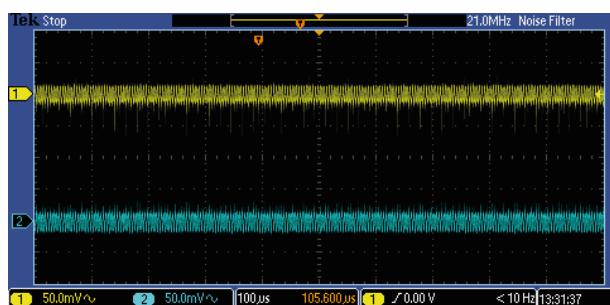
#### Efficiency versus Output Load



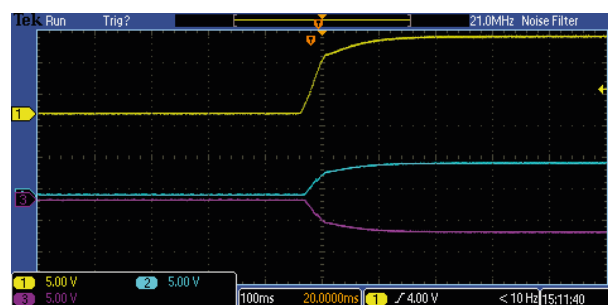
#### Efficiency versus Input Voltage



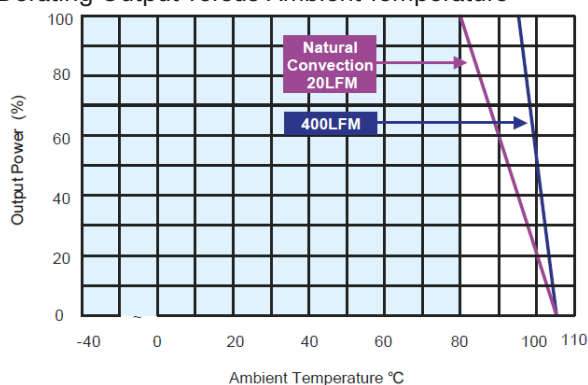
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



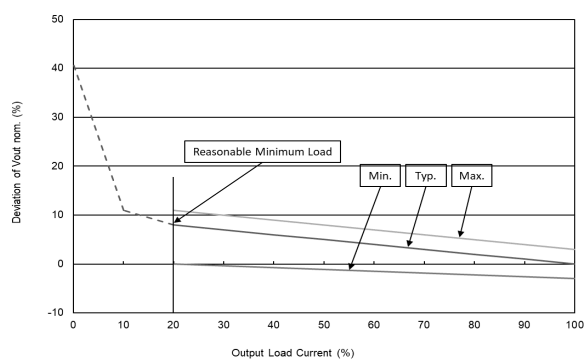
#### Typical Input Start-Up and Output Rise Characteristic



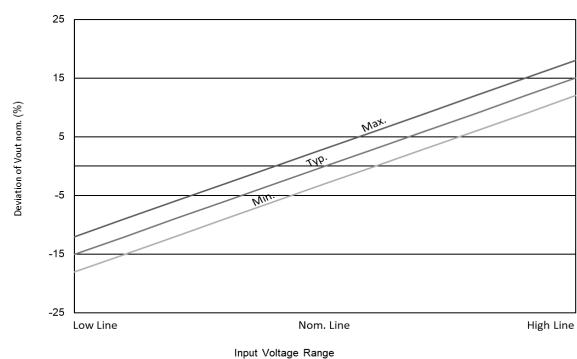
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

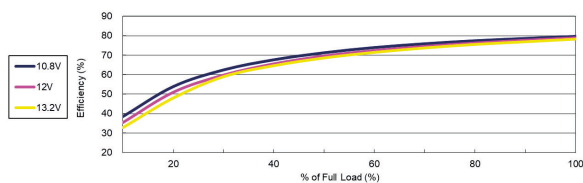


#### Input Variation versus Output Voltage

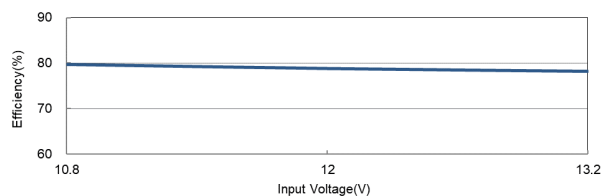


### TSM 1212D

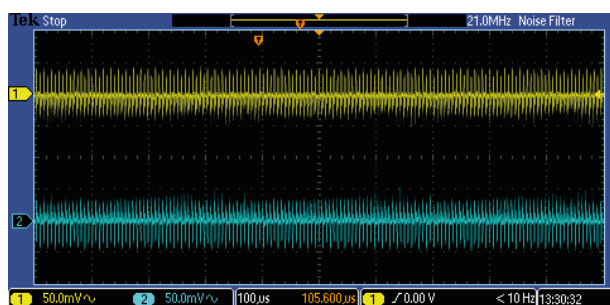
#### Efficiency versus Output Load



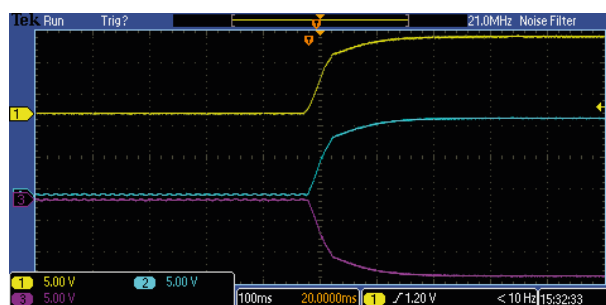
#### Efficiency versus Input Voltage



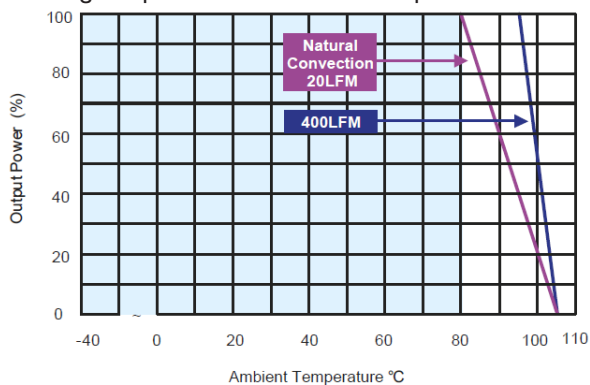
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



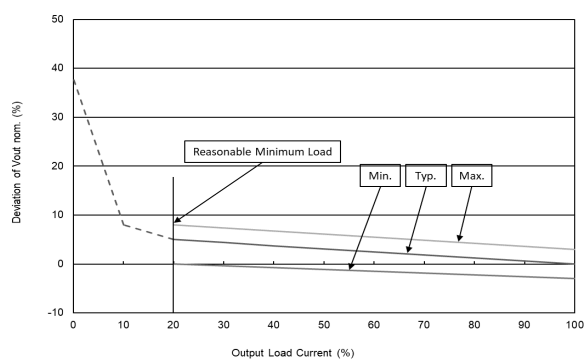
#### Typical Input Start-Up and Output Rise Characteristic



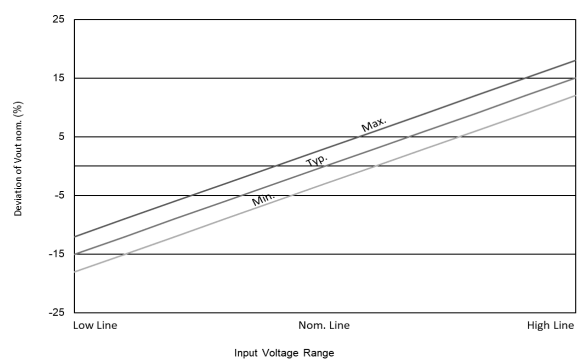
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

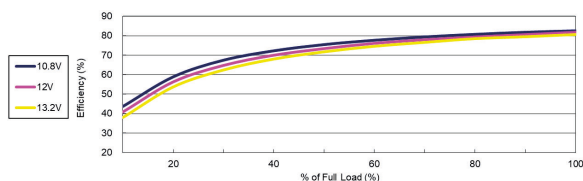


#### Input Variation versus Output Voltage

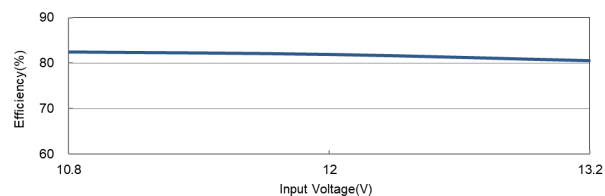


### TSM 1215D

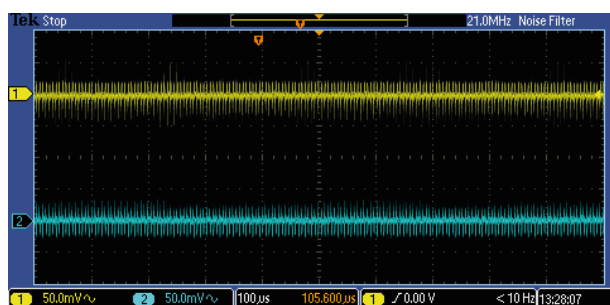
#### Efficiency versus Output Load



#### Efficiency versus Input Voltage



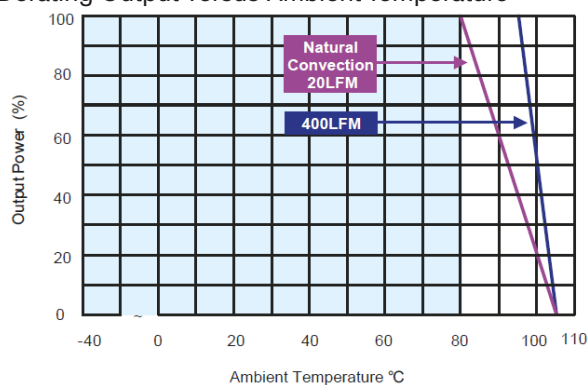
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



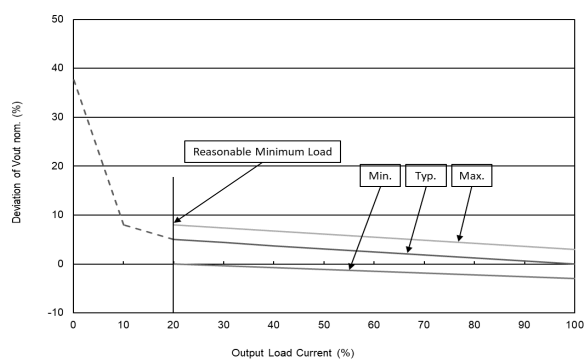
#### Typical Input Start-Up and Output Rise Characteristic



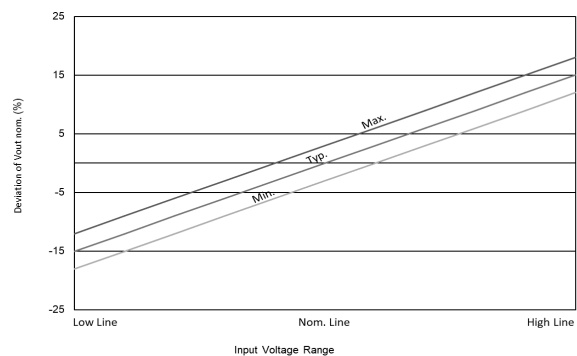
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

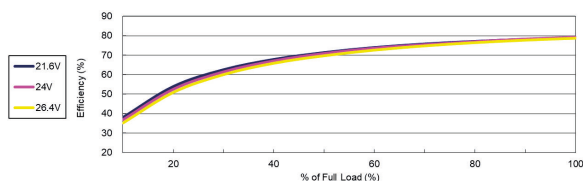


#### Input Variation versus Output Voltage

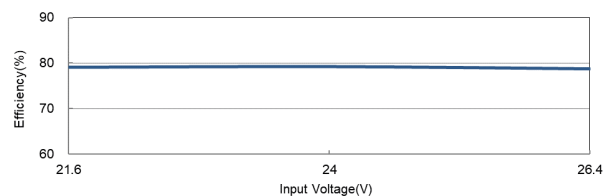


### TSM 2405S

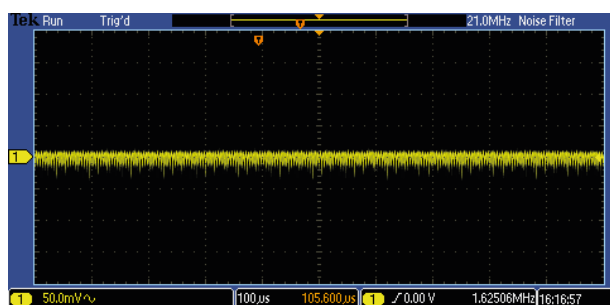
#### Efficiency versus Output Load



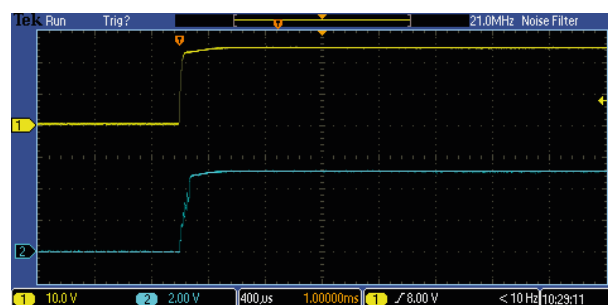
#### Efficiency versus Input Voltage



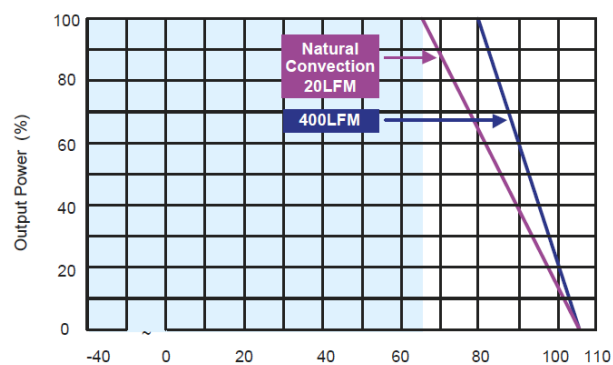
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



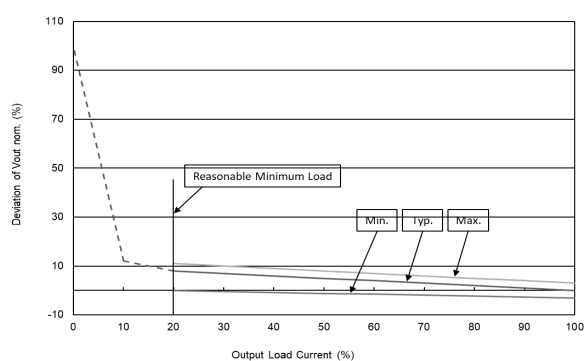
#### Typical Input Start-Up and Output Rise Characteristic



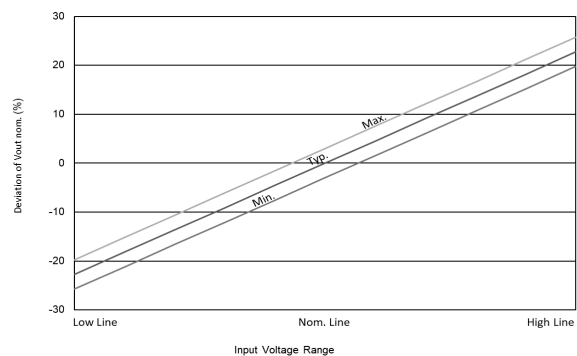
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

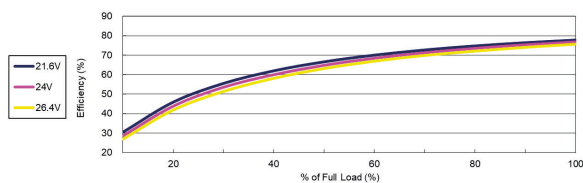


#### Input Variation versus Output Voltage

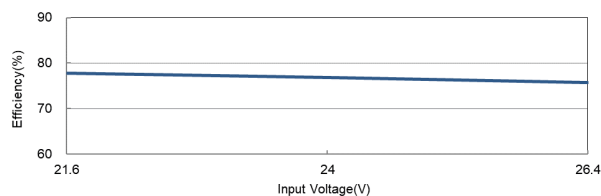


### TSM 2409S

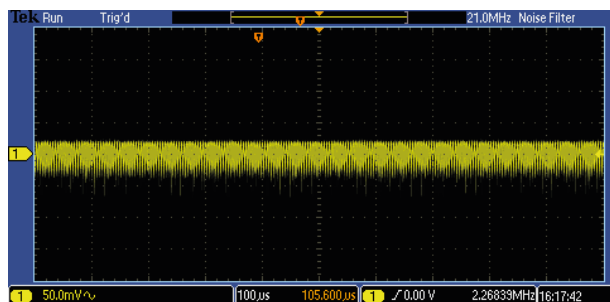
#### Efficiency versus Output Load



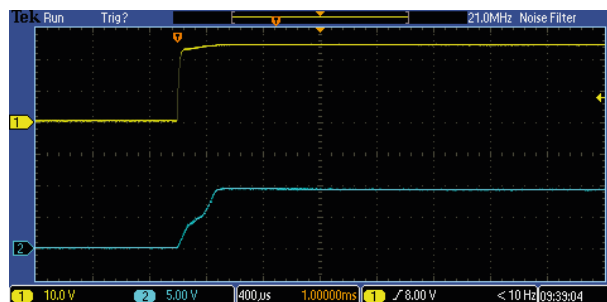
#### Efficiency versus Input Voltage



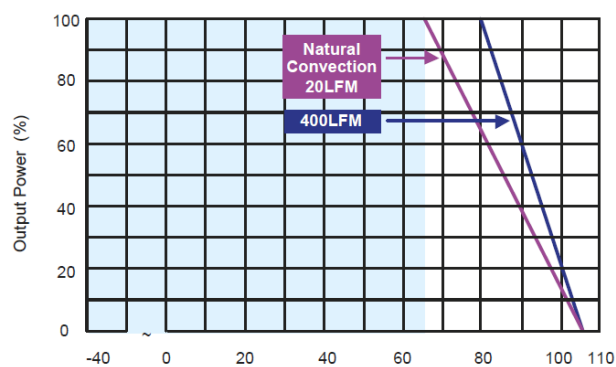
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



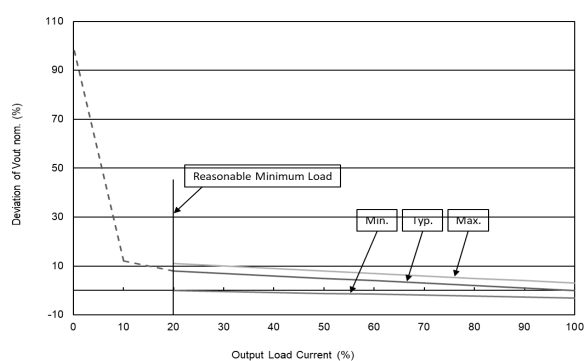
#### Typical Input Start-Up and Output Rise Characteristic



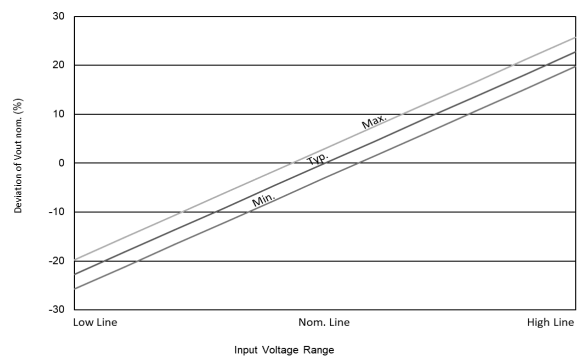
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage



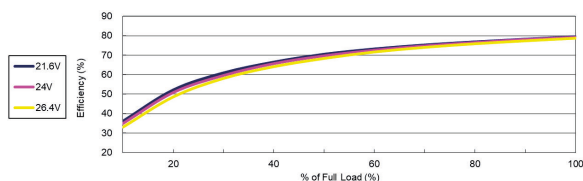
#### Input Variation versus Output Voltage



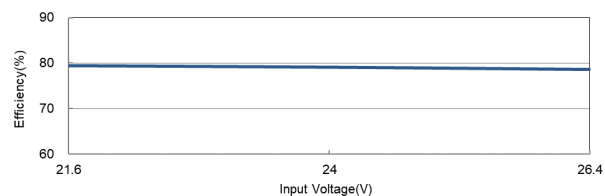


### TSM 2412S

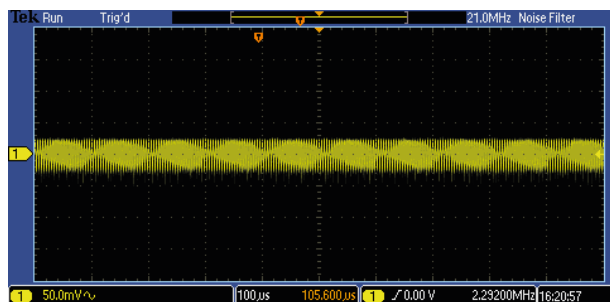
#### Efficiency versus Output Load



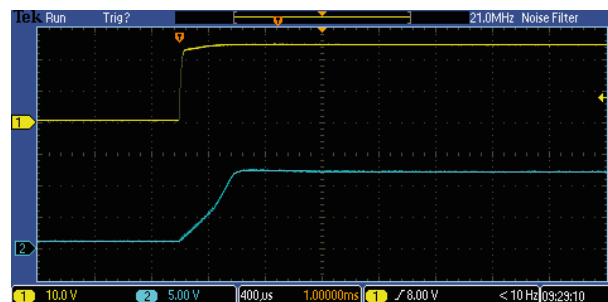
#### Efficiency versus Input Voltage



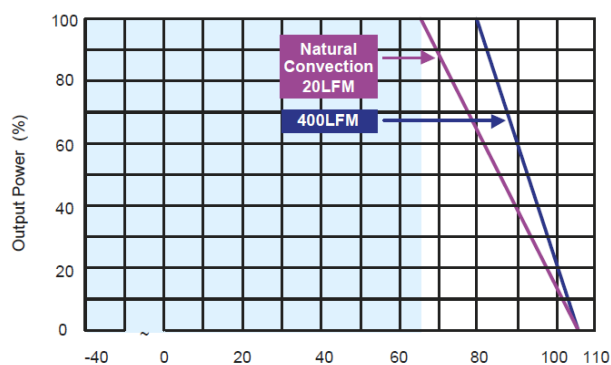
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



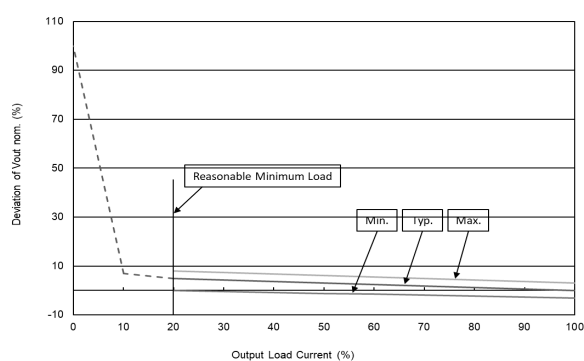
#### Typical Input Start-Up and Output Rise Characteristic



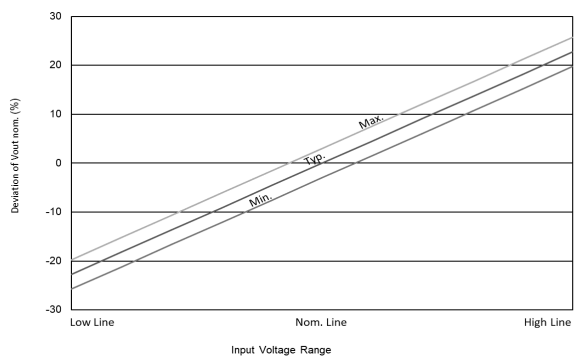
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

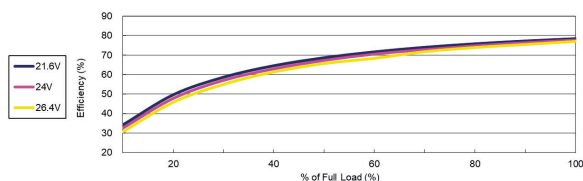


#### Input Variation versus Output Voltage

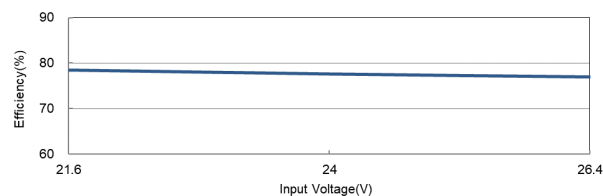


### TSM 2415S

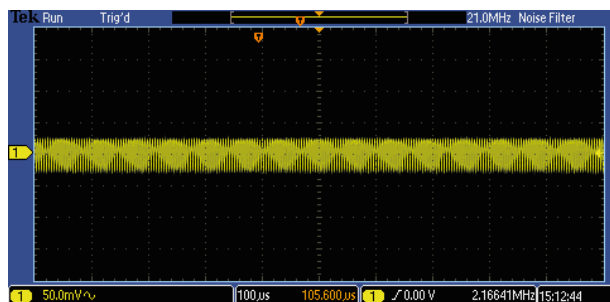
#### Efficiency versus Output Load



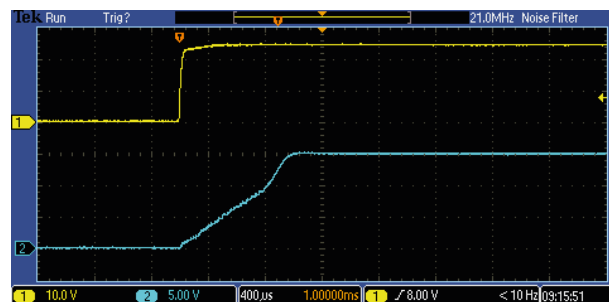
#### Efficiency versus Input Voltage



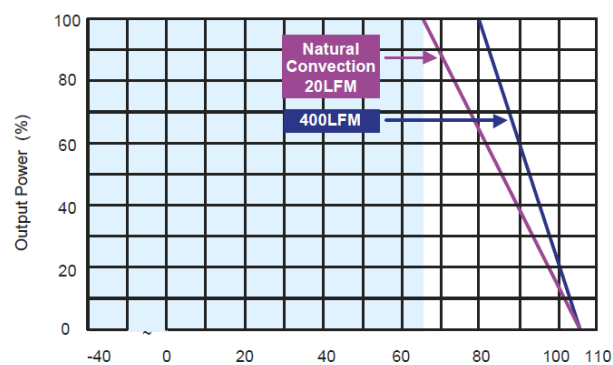
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



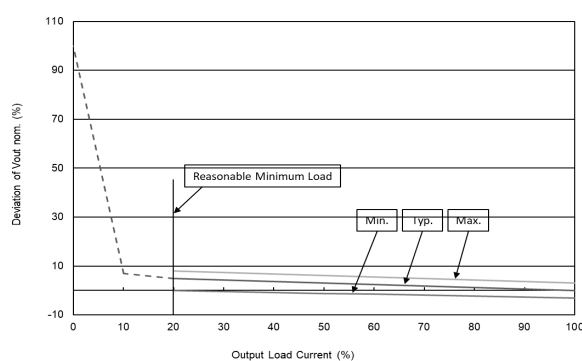
#### Typical Input Start-Up and Output Rise Characteristic



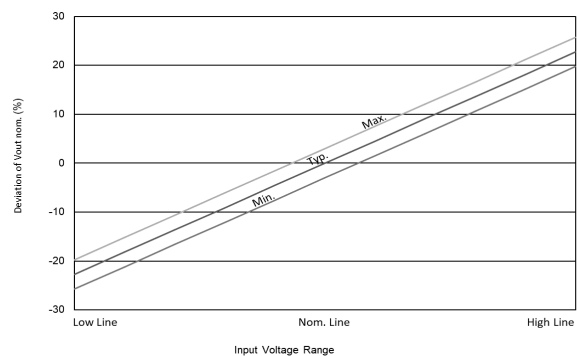
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

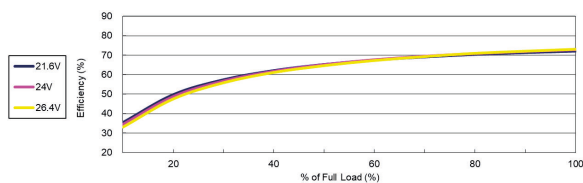


#### Input Variation versus Output Voltage

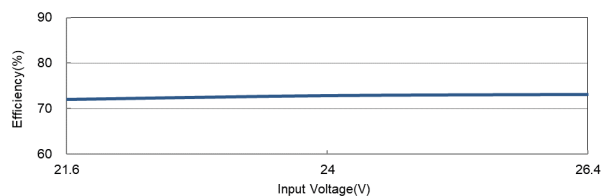


### TSM 2405D

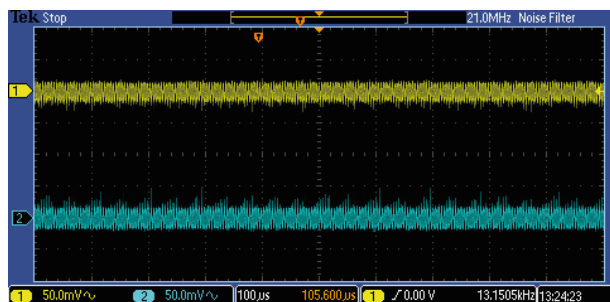
#### Efficiency versus Output Load



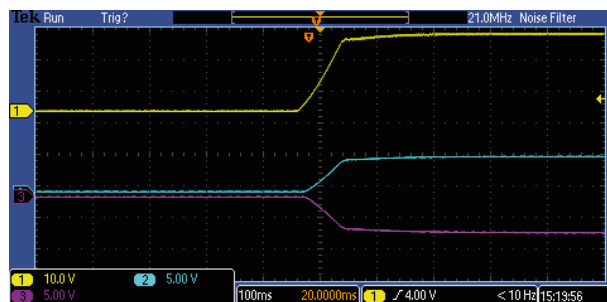
#### Efficiency versus Input Voltage



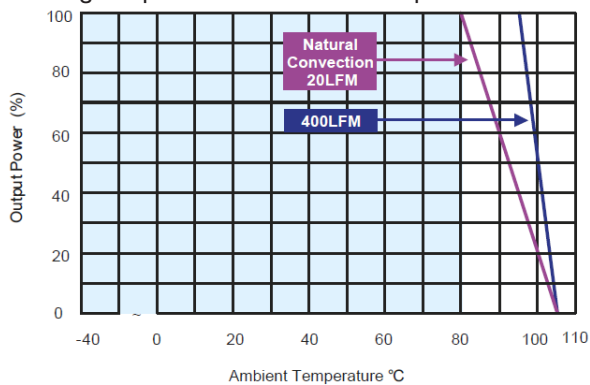
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



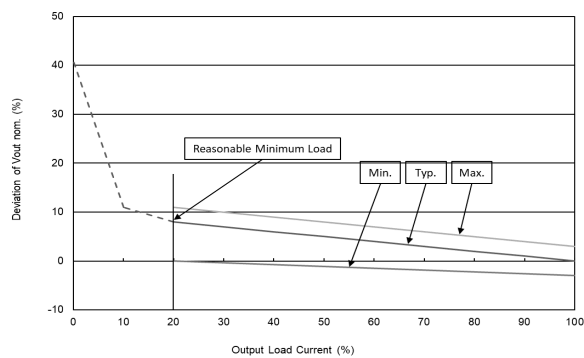
#### Typical Input Start-Up and Output Rise Characteristic



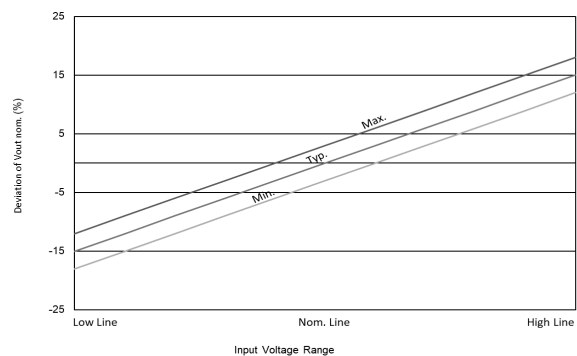
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

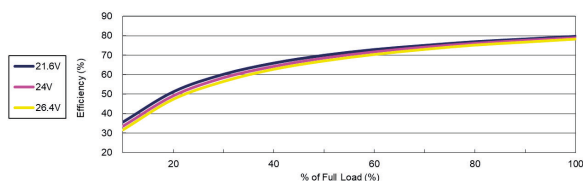


#### Input Variation versus Output Voltage

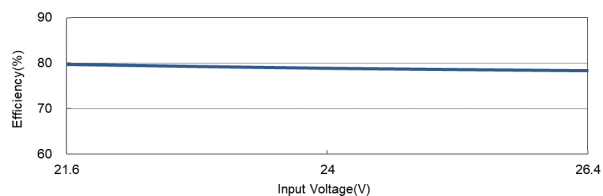


### TSM 2412D

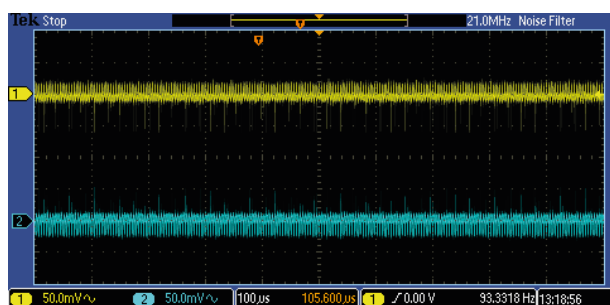
#### Efficiency versus Output Load



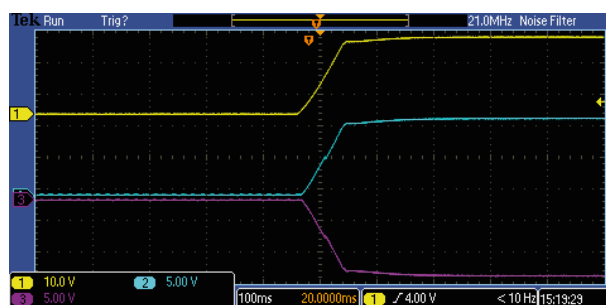
#### Efficiency versus Input Voltage



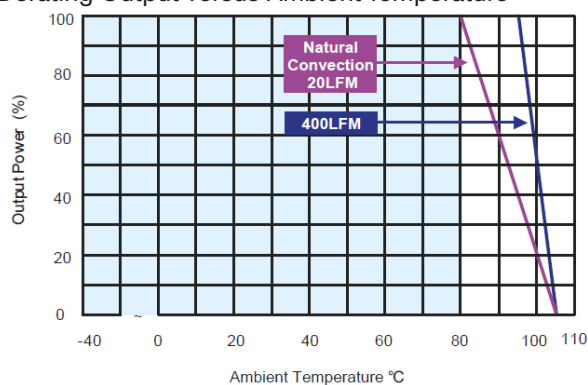
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



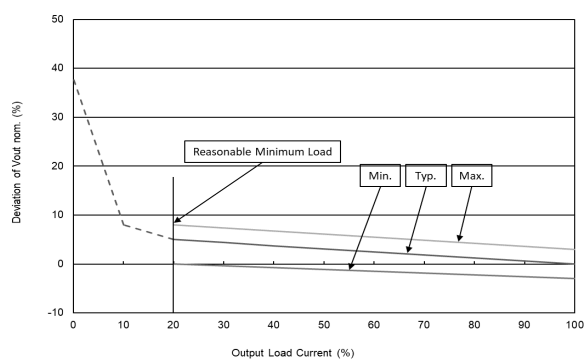
#### Typical Input Start-Up and Output Rise Characteristic



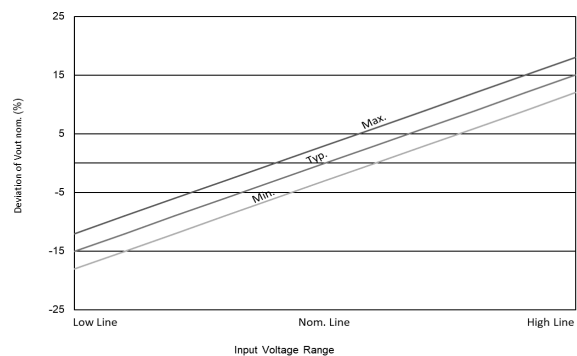
#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage

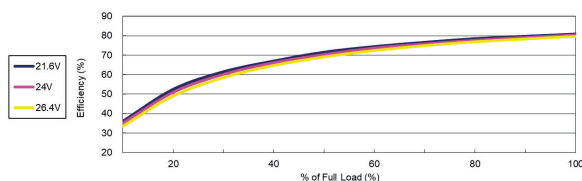


#### Input Variation versus Output Voltage

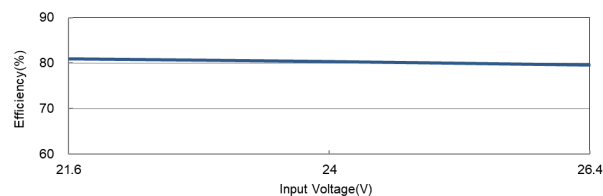


### TSM 2415D

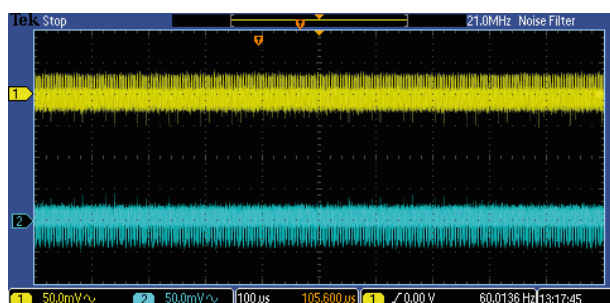
#### Efficiency versus Output Load



#### Efficiency versus Input Voltage



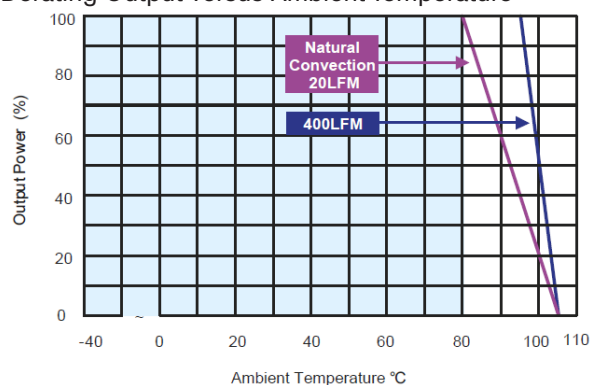
#### Typical Output Ripple and Noise (with external capacitor; see datasheet)



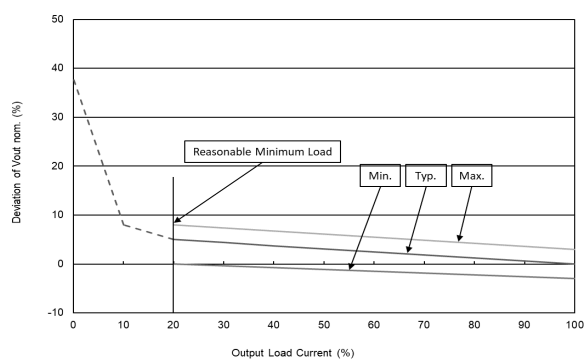
#### Typical Input Start-Up and Output Rise Characteristic



#### Derating Output versus Ambient Temperature



#### Load Variation versus Output Voltage



#### Input Variation versus Output Voltage

