

DATASHEET ADDENDUM FOR PRODUCT TYPE MQFL-28-7R7S

The MQFL-28-7R7S model is a version of the MQFL-28-7R5S model, where the unit has been factory trimmed to 7.7V_{out} nominal instead of 7.5V_{out}. The only change made to the design is the adjustment of the resistor ladder which sets the output voltage. As such, the module behaves as a MQFL-28-7R5S model trimmed to a new output voltage. Note that the available voltage range for output voltage trimming and remote sense drops is unchanged from the base model. Consult factory for details.

All datasheet specifications for the MQFL-28-7R5S model apply to the MQFL-28-7R7S model, except as listed here.

- 1) The output setpoint specifications are as shown in the below table.
- 2) The measurement conditions used for the "Output Voltage Rise Time" test are from 10% of the output to 90% of the output (0.77V → 6.93V).

The trim equation remains the same, where $V_{nom} = 7.7V$ should be used to calculate the trim resistor. However, the Output Voltage Trim Graph (Figure E) differs from that in the MQFL-28-7R5S datasheet.

Parameter	Min.	Nom.	Max.	Units	Notes & Conditions
OUTPUT CHARACTERISTICS					
Output Voltage Set Point ($T_{CASE} = 25^{\circ}C$)	7.62	7.70	7.78	V	V _{out} at sense leads
Output Voltage Set Point Over Temperature	7.58	7.70	7.82	V	"
Total Output Voltage Range	7.55	7.70	7.85	V	"
DYNAMIC CHARACTERISTICS					
Turn-On Transient					
Output Voltage Rise Time		6	10	ms	V _{out} = 0.77V → 6.93V

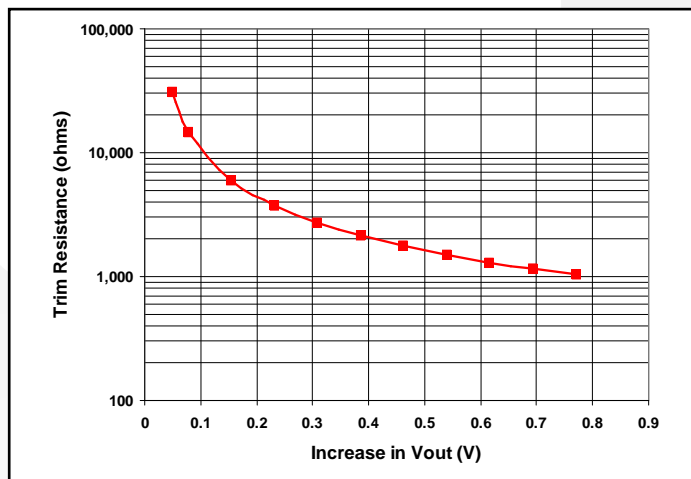


Figure E: Output Voltage Trim Graph

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