

Attracting Tomorrow



μ POL[®] Technology FS160x, Thermal derating curves

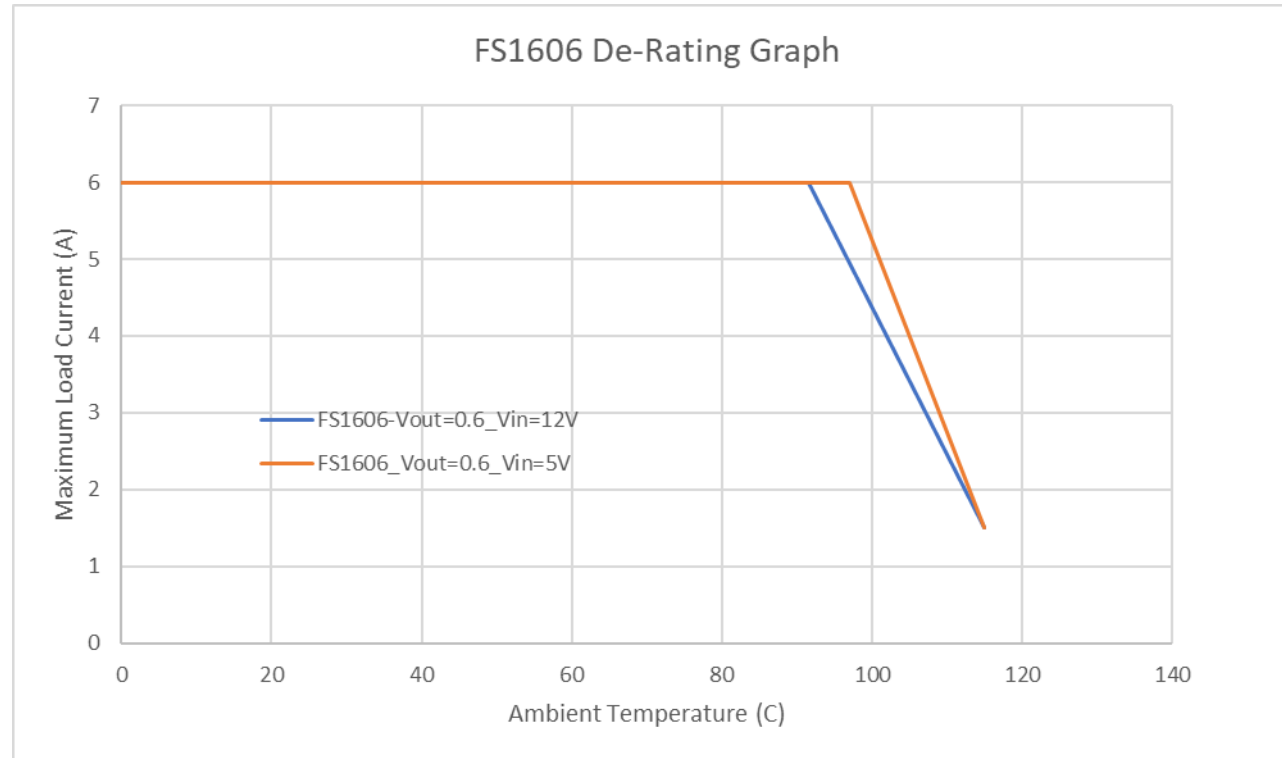
Evaluation conditions

- FS160x standard evaluation board
- $V_{in} = +5V, +12V$

Part	V_o	I_{o_max}
FS1606	0.6	6
FS1606	2.5	6
FS1604	3.3	4
FS1603	5	3

- No airflow
- I_o is increased at each T_A until $I_o = I_{o_max}$ OR $T_{max_FS160x} = 125^{\circ}C$, whichever occurs first.

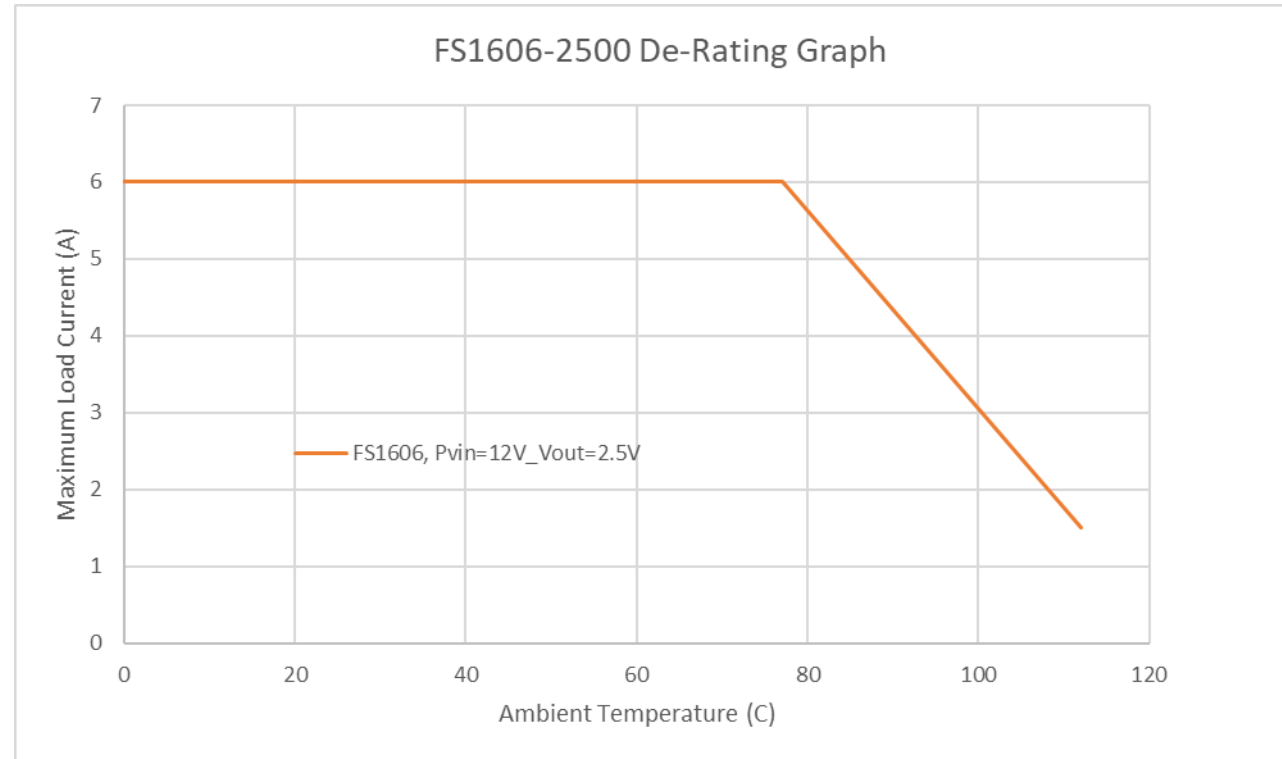
Thermal derating for FS1606 Vo=0.6V. No Airflow.



No derating necessary for $T_A \leq 91^\circ\text{C}$ for $P_{Vin}=12\text{V}$

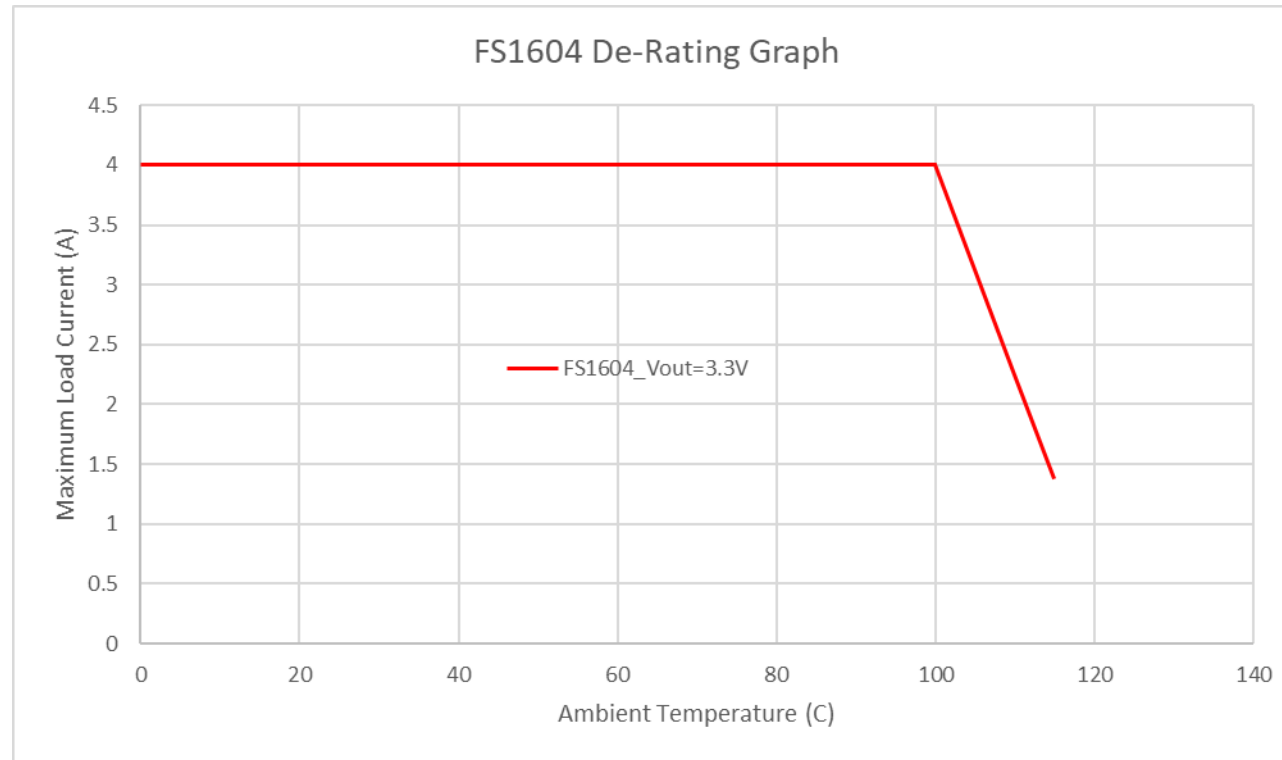
No derating necessary for $T_A \leq 97^\circ\text{C}$ for $P_{Vin}=5\text{V}$

Thermal derating for FS1606 Vo=2.5V. No Airflow.



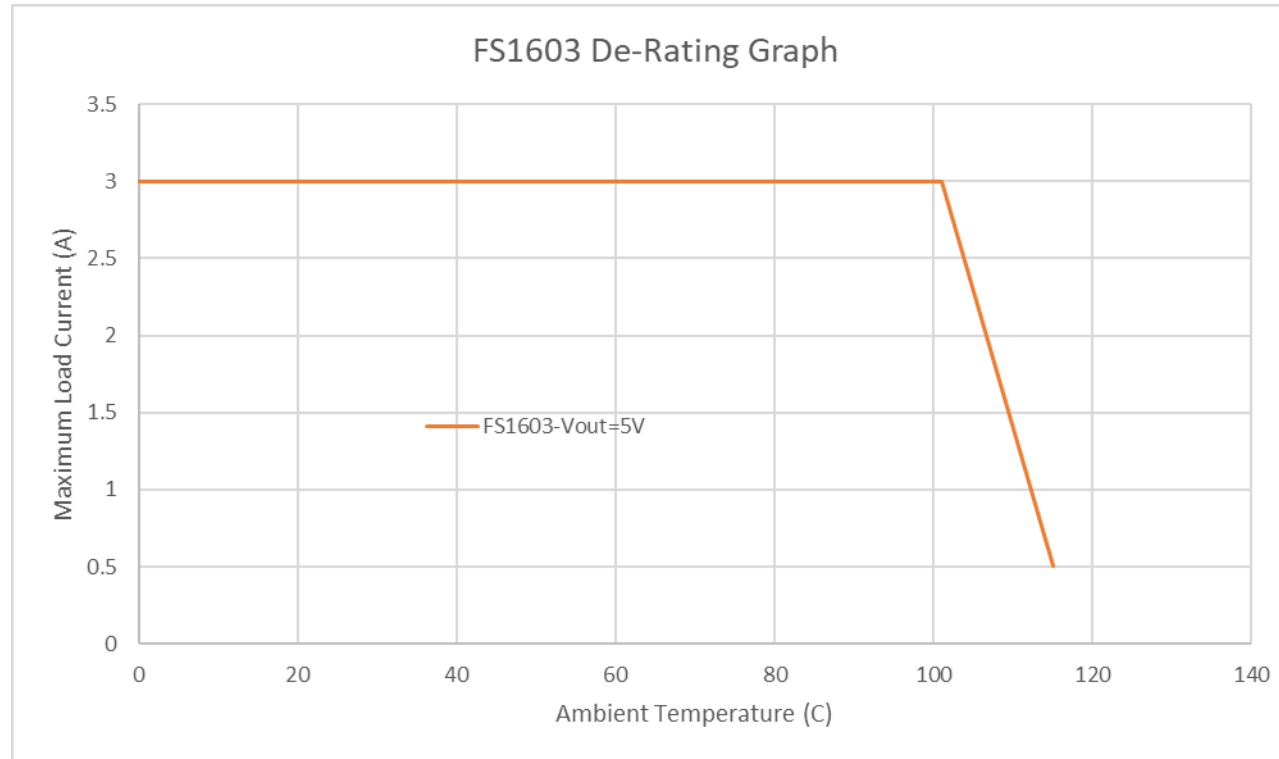
No derating necessary for $T_A \leq 77^\circ\text{C}$ for $P_{Vin}=12\text{V}$

Thermal derating for FS1604 Vo=3.3V. No Airflow.



No derating necessary for $T_A \leq 100^\circ\text{C}$ for $P_{Vin}=12\text{V}$

Thermal derating for FS1603 Vo=5V. No Airflow.



No derating necessary for $T_A \leq 101^\circ\text{C}$ for $P_{Vin}=12\text{V}$

