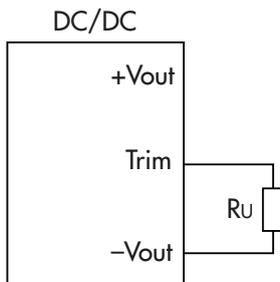


Output Voltage Adjustment

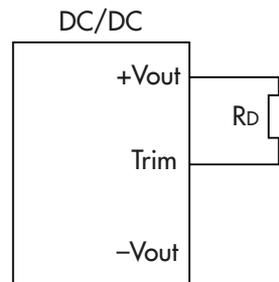
This feature allows increasing and decreasing the output voltage of TPP 15A-D and TPP 15-D series. This is accomplished by connecting an external resistor between the Trim pin and either the +Vout or -Vout pin. The resulting external Trim resistor is specified in Ohm and needs to be at least 1/16 Watt of rated power.

For trimming up, please assure max. output power is not exceeded.

Connection of trim up resistor



Connection of trim down resistor



Trim up equation

$$R_U = \frac{G \cdot L}{(U_{out,up} - L - K)} - H$$

Trim down equation

$$R_D = \frac{(U_{out,down} - L) \cdot G}{(U_{out,nom} - U_{out,down})} - H$$

Trim constants

Models	G	H	K	L
TPP 15-103(A)-D	2000	2000	2.06	1.24
TPP 15-105(A)-D	7500	2000	2.5	2.5
TPP 15-109(A)-D	30000	2000	6.5	2.5
TPP 15-112(A)-D	51000	2000	9.5	2.5
TPP 15-115(A)-D	68000	2000	12.5	2.5
TPP 15-124(A)-D	130000	2000	21.5	2.5
TPP 15-136(A)-D	200000	2000	33.5	2.5
TPP 15-148(A)-D	270000	2000	45.5	2.5

For example: Trim up model TPP 15-112A-D with $\Delta U = 10\%$ to output voltage of $U_{out,up} = 13.2\text{ V}$

$$R_U = \frac{G \cdot L}{(U_{out,up} - L - K)} - H = \frac{51000 \cdot 2.5}{(13.2 - 2.5 - 9.5)} - 2000 = 104.25\text{ k}\Omega$$