

DC/DC – Transformer TYPE 154-XX



300 Watt Switching regulator

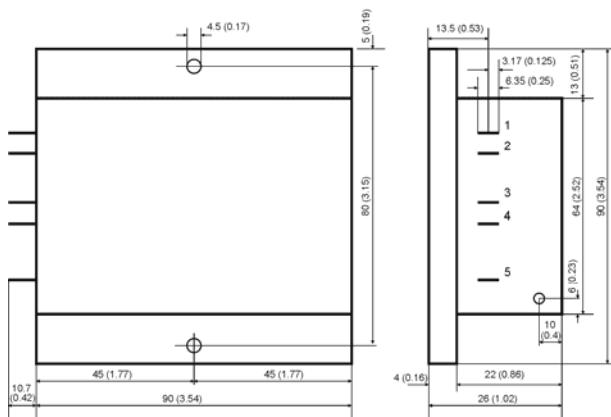
- Wide input voltage range
- High efficiency up to 94%
- Low output voltage noise
- Continuous no-load and short-circuit proof
- Temperature protected
- Very compact
- No external circuitry required
- Electromagnetic emission EN 55011 < B



No-load input current	$U_e = 48V : 14 \text{ mA}$ $U_e = 80V : 9 \text{ mA}$
Switching frequency	130kHz
Output voltage accuracy	$\pm 1\%$ max
Static line regulation (10% load)	$< 0.01\%$
Static load regulation FL to 10%	0.2% typ.
Output voltage noise (BW 20 MHz)	50mVpp typ.
Efficiency	94% typ.
Ambient temperature range	$-40...+71^\circ\text{C}$
Case temperature	$-40...+90^\circ\text{C}$
Storage temperature	$-55...+105^\circ\text{C}$
Case material	Non-conductive plastic, UL94 V-0 rated, mounted on aluminum plate

Standard type	Input voltage range [VDC]	Output [VDC]	Output [A]
154-12	17... 160	12	+15
154-15	19... 160	15	+15
154-24	28...160	24	+13

Dimensions in mm (inches)



Pin Configurations

Pin No.	Output	Electrical Determination
1	ON	Regulator on
2	V_{i+}	Input voltage (positive)
3	V_{i-}	Input voltage (negative)
4	V_{o-}	Output voltage (negative)
5	V_{o+}	Output voltage (positive)