



Power block:
 - nominal output power set to 4500 W.
 - $U_{out} = 48$ VDC.
 - $U_{in} = 20-40$ VDC.

Parts:
 - 5 x TESND1200-F7
 - common PCB
 - common coldplate
 - filtering components
 - input and output connectors
 - Schottki diodes - to separate outputs for reliability

Dimensions:
 25 x 222 x 480 (mm)
 Mounting holes:
 $\text{Ø}3.4$ mm x 12 holes

Current design is preliminary

Designed by M. G.	Checked by	Approved by	Date	Date 18.11.2020	
Alexander Electric s.r.o.			4.5 kW DC/DC block, 20-40 Vin, 27 Vout		
			4500W_Block_5xTESND1200-F7	Edition	Sheet 1 / 1