

EVLALTAIR05T-5W Bill-of-materials

<i>Reference</i>	<i>Part</i>	<i>Description</i>	<i>Note</i>
R1		22Ω - 1W	Axial flame proof
R2		120kΩ SMD (1206)	
R3		30kΩ	1% tolerance
R4		0Ω	
R5		Not connected	See CDC section
R6		6.2kΩ	1% tolerance
R7		10kΩ	
R8		1.2Ω	1% tolerance
R9		1.5kohm	
C1, C2		4.7μF 400V electrolytic	
C3		1nF-500V XR7	
C4		10uF - 35V electrolytic	
C5		1nF - 25V	
C6		470nF - 25V	
C7		4.7nF - 25V	
C8		1000μF - 16V electrolytic	Epcos B41889 series
C9		100nF - 25V	
C10		2.2nF – 230V	Y1- Capacitor
D1	STTH1L06	Ultra-fast high voltage diode	STMicroelectronics
D2	BAT46	Small signal schottky diode	STMicroelectronics
D3	STPS3L40UF	Power schottky diode	STMicroelectronics
L1		470μH axial inductor	Epcos BC series
BR	MB6S RC	Input bridge rectifier	
TF	Flyback transformer	1335.0032 Rev.1	Magnetica
IC		ALTAIR05	STMicroelectronics
Notes: if not otherwise specified, all resistors are 5%, ¼ W			