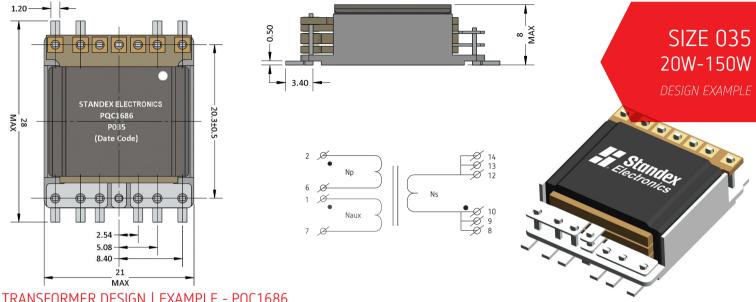
SOLUTIONS | Planar Transformers & Inductors



TRANSFORMER DESIGN | EXAMPLE - PQC1686

	Topology	Forward w/active rest
ELECTRICAL SPECIFICATIONS	Input Voltage	36-72VDC
	Output Power	50W
	Rated Current From Ns1 Output	15A
	Rated Current From Naux Output	0.5A
	Switching Frequency	300kHz
	Turns Ratio - Np/Ns/Naux	12T/2T/8T
	Duty Cycle At Low Input Voltage Max.	61%
	Operating Ambient Range (Full Load)	-40° C to +85° C
	Minimum Inductance	248µH

Minimum Efficiency At Nominal Input	97.50%		
Temp. Rise Hot Spot Ambient	+45°C		
Minimum Isolation Voltage			
Primary And Aux To Secondary	1500VDC		
Primary And Aux To Core	1500VDC		
Primary To Aux	200VDC		
Secondary To Core	200VDC		
Leakage Inductance Typ.	0.75µH		
Weight Range (Approximate)	12-50grams		

NOTES:

1) PATENTED HEADER AND SURFACE MOUNT TERMINATIONS PROVIDE REPEATABLE CO-PLANARITY FOR MANUFACTURING 2) THROUGH-HOLE OR SURFACE MOUNT AVAILABLE