

EDCON-COMPONENTS



Technical Description

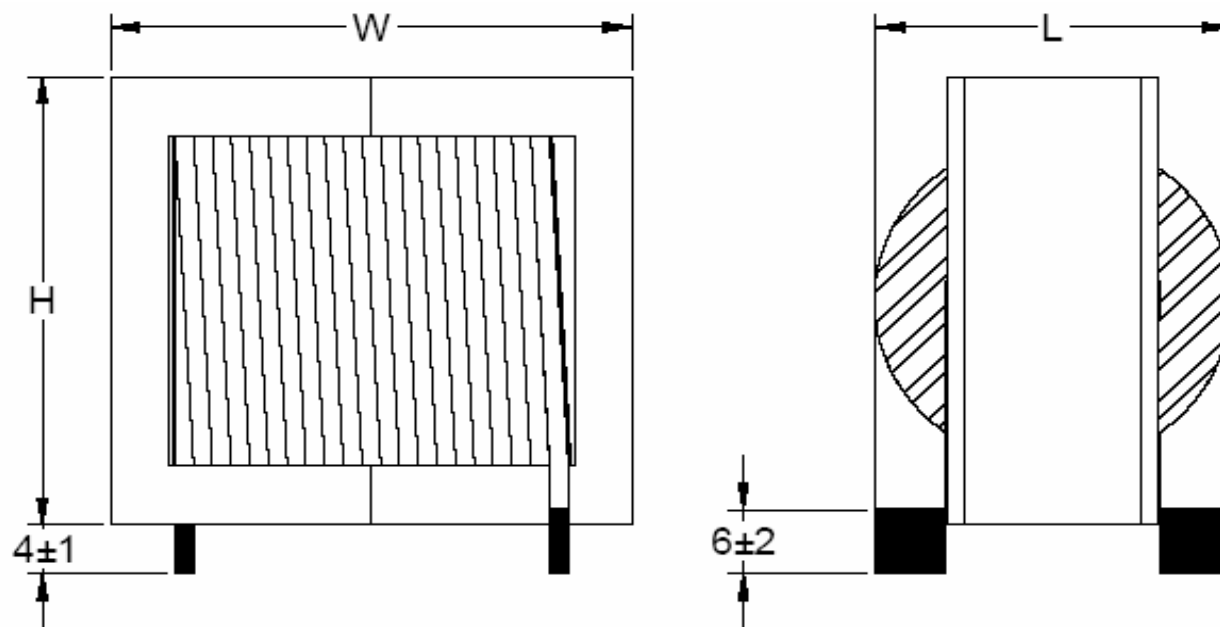
Designed for flat helix winding coil high current high volt *time applications
 Lowest DCR, lower loss reduce size, high efficiency, less Temperature
 Winding to core isolation is 500 Vrms
 Inductance tested at 500KHz, 0,1Vrms
 DC current at which the inductance drops. The specified amount from ist without current.
 Winding: temperature rise = 130°C max.
 Operating temperature range -25°C ~ +100°C
 Electrical specifications at 25°C
 Inductance tolerance ±20%

Range Informations

Inductance (μH) typ	19,0
. @ 0 ADC	22,0
. @ I sat	19,4

DCR (mΩ) max.	4,8
I sat (A DC)	16,0

Drawing



Dimension (mm)	
L	22,0
W	29,0
H	29,5

PCB Hole Dimension	
1,7x5,5 mm	

FLAT WINDING HIGH POWER COIL	
Part No.:	S10R59

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.09.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 3		

EDCON-COMPONENTS



Ordering Informations

Serie	Range Code	Tolerance Code	ROHS	Packing						
-------	------------	----------------	------	---------	--	--	--	--	--	--

S10R59	190	M	R	TU						
---------------	------------	----------	----------	-----------	--	--	--	--	--	--

190= 19µH	M= ±20%	R= ROHS Conform	TU= Tube Packing
			TY= Tray Packing

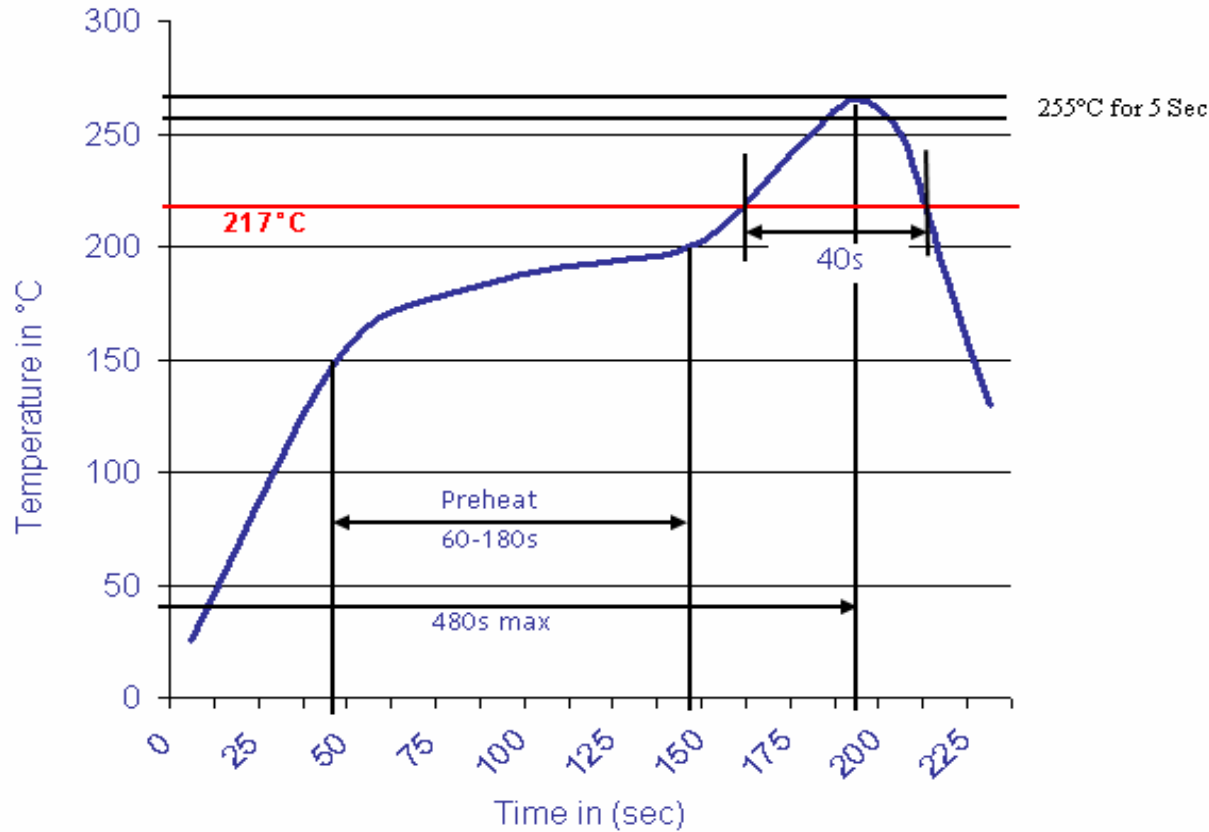
FLAT WINDING HIGH POWER COIL
Part No.: S10R59
Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.09.2011
APPD:	Schumi			FINISH	Jamy			Sheet No.	2 from 3



Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



FLAT WINDING HIGH POWER COIL	
Part No.:	S10R59
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.09.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 3

www.edcon-components.com

email: info@edcon-components.com