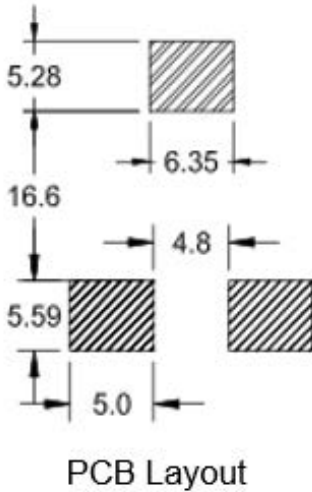
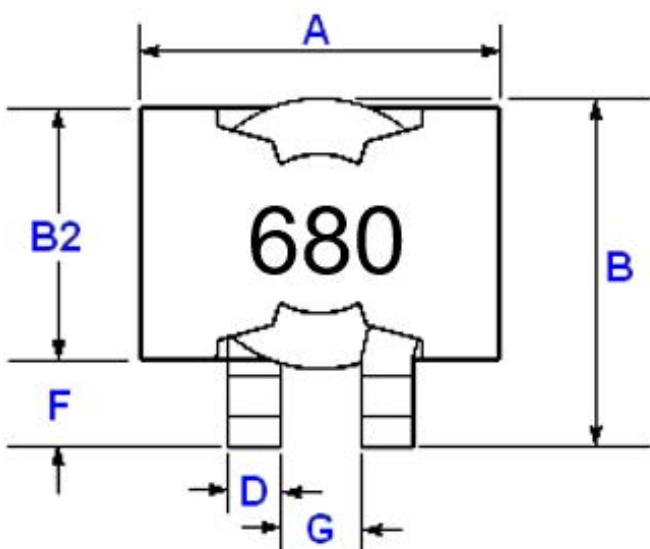


60uH 12A inductor / TL42018R

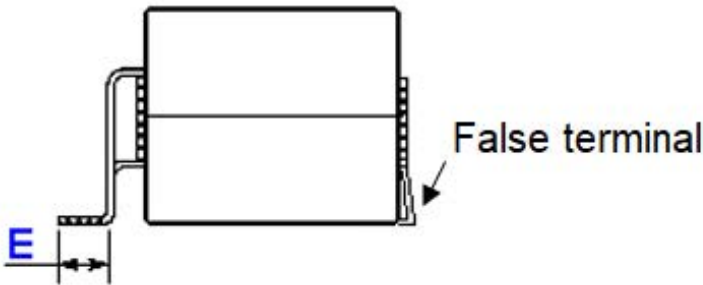
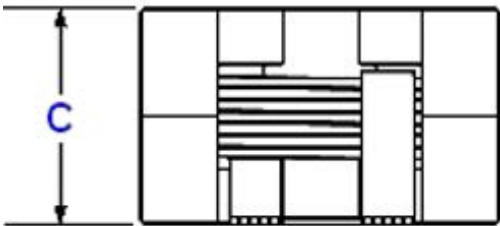


REV	DESCRIPTION	DATE	APPROVED
A	First Release	2024-03-21	Mark

Outline Dimensions(Unit:mm)



A	27.9 Max
B	27.9 Max
B2	19.7 Max
C	18.8 Max
D	3.8 ±0.3
E	3.8 Min.
F	6.9 Ref.
G	6.6±0.5



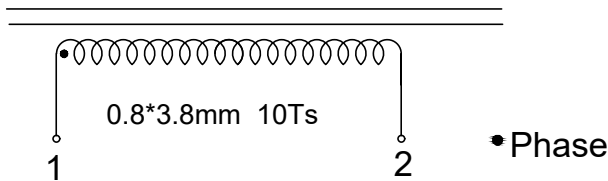
Electrical Characteristics:

No.	Item	Terminal	Technical Data	Test Condition & Instrument
1	Rated current	/	12A	(Temperature rise 40°C)
2	Saturation current	/	12A	(20% drop inductance)
3	Rated Inductance	1-2	68uH±20%	TH2832,100kHz 0.1V 0Adc @ 25°C
4	D.C. Resistance	1-2	12.0 mΩ Max	TH2516 @ 25°C
5	Layer Insulation	1-2	No abnormality	TH2882A-5, 1500V @ 25°C
6	Hi-Pot	Wdg - Core	5mA max	TH9320, 300VAC 50Hz 2S @ 25°C
7	Approximate weight	about 38g		

List of main material:

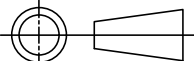
No.	Part name	Description	Supplier (or equivalent)	UL Number
1	Core	PQ2617 DMR91	DMEGC	N/A
2	Copper wire	SFT/AIW	WELL ASCENT ELECTRONIC (GANZHOU) CO LTD	E318511
3	Glue	G-500	HENKEL-LOCTITE	N/A
4	Glue	E-500	DONGGUAN EATTO ELECTRONIC MATERIAL CO LTD	E218090

Electronical Schematic:



Construction:

Constructed with UL rated 130°C (Class B) materials.

 TEKNOLOJİ	60uH 12A inductor	
	Powel P/N	TL42018R
	Tolerances unless otherwise specified: (.X)±0.50 (.XX±0.25)	
	Customer P/N	