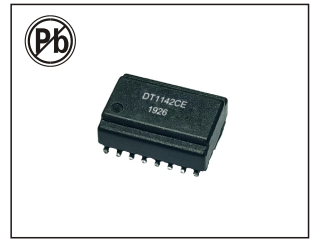


DUAL BROADBAND PLC TRANSFORMER

DT1142CE

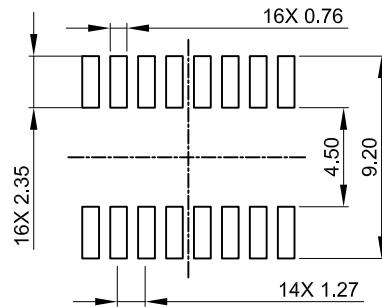
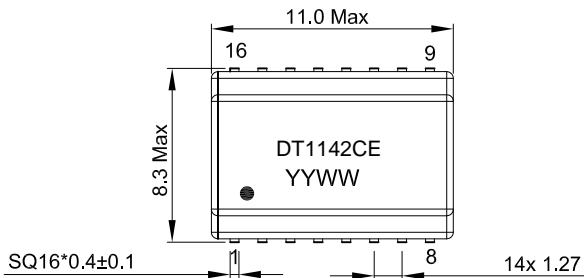


FEATURES:

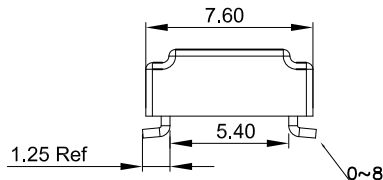
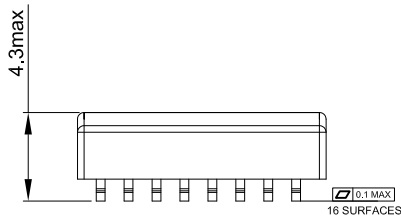
- DESIGN FOR PLC(POWER LINE COMMUNICATION) APPLICATION.
- ROHS COMPLIANT.
- REINFORCED INSULATION
- OPERATING TEMPERATURE RANGE: -40°C TO 125°C.

Electrical Specifications @25°C									
Part Number	Turns Ratio @100KHz,1V	OCL @100KHz 0.1V			IL @2MHz-200MHz	DCR @25°C			HI-POT (Pri To Sec)
		1-2,3-4 5-6,7-8	16-15 12-11	14-13 10-9		1-2,3-4 5-6,7-8	16-15 12-11	14-13 10-9	
DT1142CE	1.5:1.5:1:3±5%	17uH Min	7.5uH Min	70uH Min	2.0dB Max	160mΩ Max	60mΩ Max	240mΩ Max	1000Vrms, 1mA,2S

MECHANICAL DIMENSIONS(unit:mm)

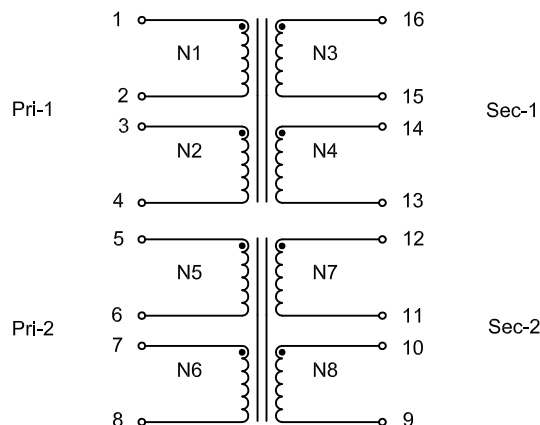


SUGGESTED PAD LAYOUT



● Unless otherwise specified all tolerances are:±0.25mm

SCHEMATICS



N1:N2:N3:N4=1.5:1.5:1:3
N5:N6:N7:N8=1.5:1.5:1:3