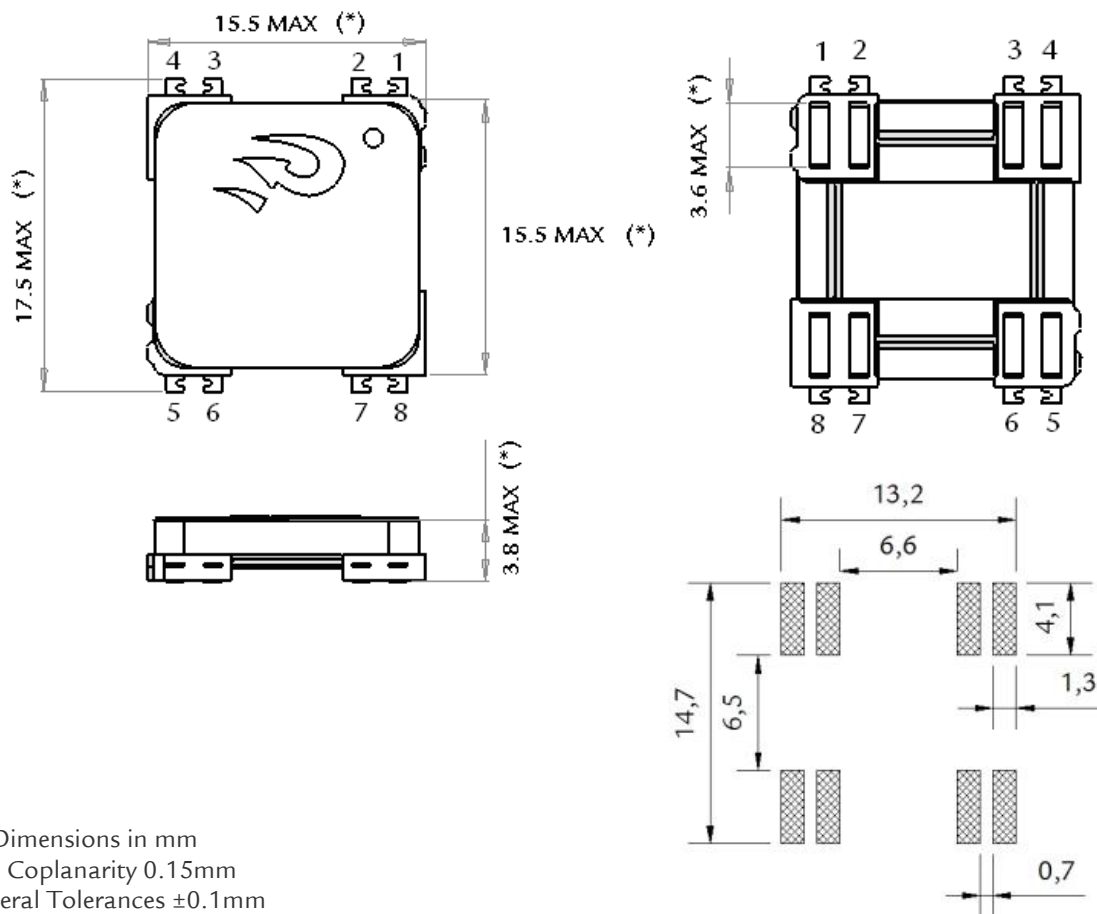
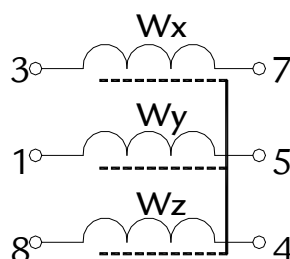


1. Dimensions and Pad Layout



All Dimensions in mm
Pins Coplanarity 0.15mm
General Tolerances ± 0.1 mm

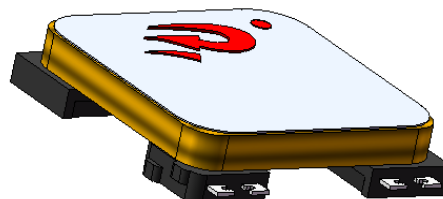
2. Schematic Diagram



Pins 2 and 6 not connected

3. Materials

Core: Ferrite Core
SMD Base: LCP
Leadframe: CuSn6 / Cu / Sn
Wires: Enamelled and Selfbonding copper wire
Adhesive: Epoxy-based adhesives
Label: Acrylate



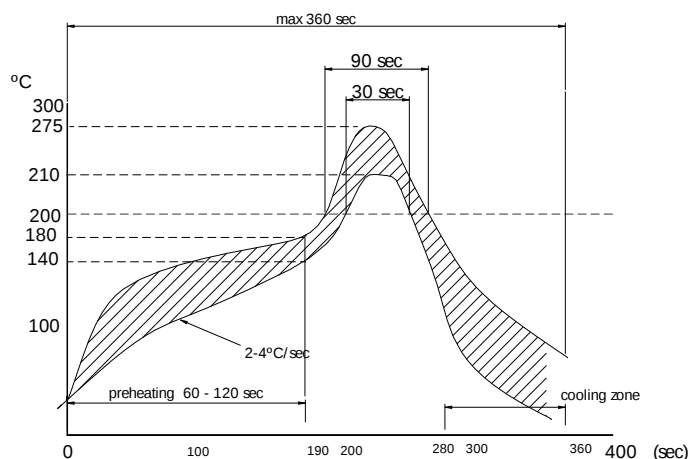
Remark : Products comply with RoHS requirements

4. General Specifications and Recommended Reflow Profile

Typical Operating Frequency 125KHz

Storage Temperature -40 °C → +85 °C

Operating Temperature -40 °C → +85 °C



Lead Free Reflow Profile

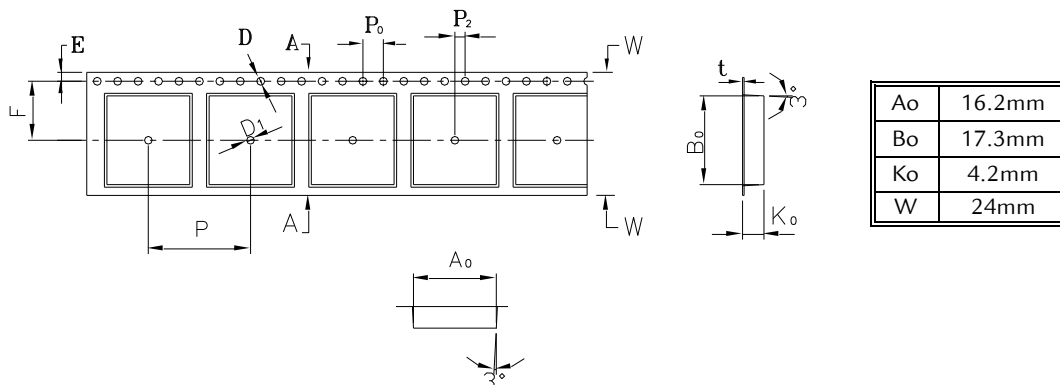
5. Electrical Characteristics

3DC1515

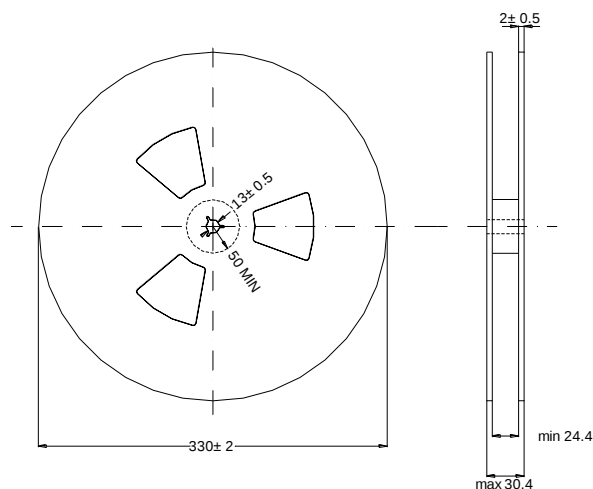
Code	Lx,y,z (mH)	Qx,y Min	Freq (KHz)	Cres (pF)	SRFx,y (KHz) Min	SRFz (KHz) Min	DCRx,y (Ohm) Max	DCRz (Ohm) Max	Sensitivity x,y,z (mV/App/m) Min	Length (mm)	Width (mm)	Height (mm)
3DC15-0247J	2.47	23	125	656	500	1000	75	75	55	15.5	17.5	3.8
3DC15-0258J	2.58	23	125	628	500	800	75	75	57			
3DC15-0345J	3.45	27	125	470	450	800	85	100	67			
3DC15-0405J	4.05	27	125	400	400	800	98	98	72			
3DC15-0477J	4.77	28	125	340	380	800	100	136	85			
3DC15-0491J	4.91	27	125	330	350	750	105	140	85			
3DC15-0720J	7.20	30	125	225	330	700	120	172	95			
3DC15-1000J	10.00	25	125	162	250	550	165	258	105			

7. Packaging Information

TAPING SPECIFICATION (According to EIA481)



REEL



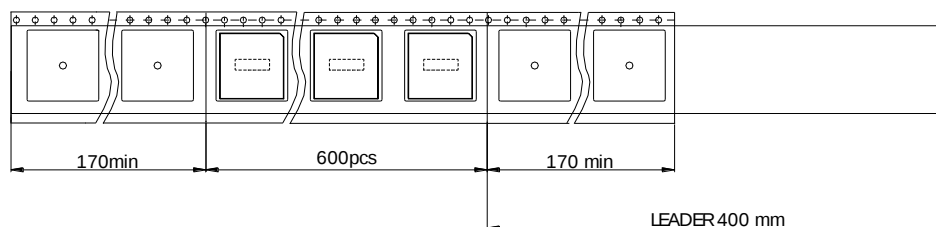
PARTS PER REEL

330 mmΦ
600

MATERIAL LIST

ITEM	MATERIAL
Reel	Shock-Proof Polystyrol
Carrier tape	PC Brown Colour 0.3mm
Cover tape	Polyester

TAPING

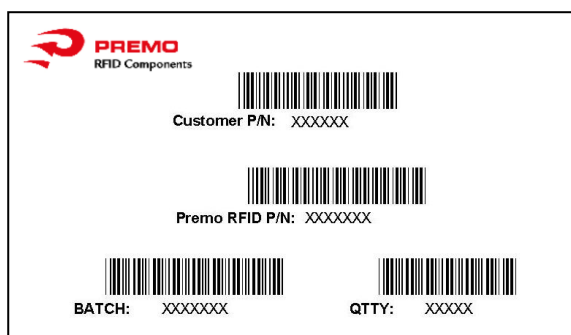


8. Labelling

PART LABELLING



PACKAGE LABELLING



9. Reliability Tests

This part is according to AEC-Q200 Revision C.

Edition	Revision Date
1	18/03/09