SPECITICATION FOR APPROVAL

※This is a RoHS and REACH compliant product whose related documents are available on request.
※Graphic is only for dimensionally application.

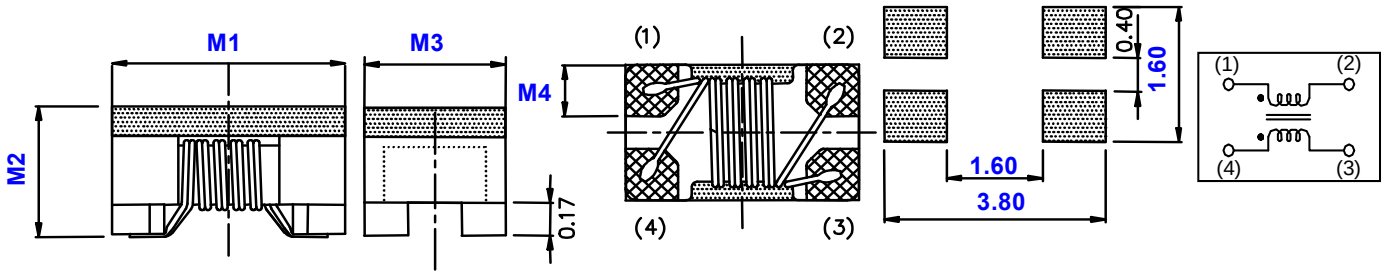
1. SCOPE : THIS SPECIFICATION APPLIES TO WIRE WOUND CHIP INDUCTORS.

2. PART NUMBER IDENTIFICATION

SCM 3216 F - □□□ □ - □ - □□□

- RoHS + H.F.
- With Ferrite Shielding
- Tolerance
- Impedance
- Material
- Dimension
- SMD Common Mode

3. MECHANICAL DIMENSION



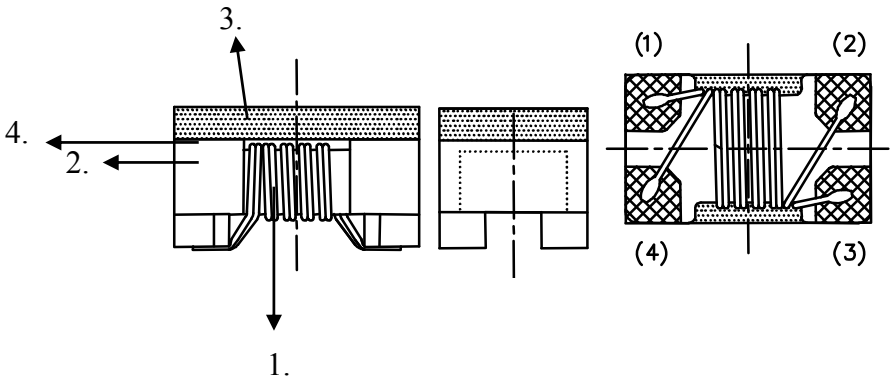
SERIES	M1	M2	M3	M4
SCM3216F-XXXM-I-LRH	3.2±0.2	1.90±0.2	1.60±0.2	0.60(TYP.)

4. RATING TEMPERATURE

OPERATING TEMPERATURE RANGE: -40℃ ~ +125℃

TEMPERATURE RISE : 15℃

5. STRUCTURE



6. MATERIAL LIST

ITEM	MATERIAL CATEGORY	MATERIAL TYPE	UL NO.
1	WIRE	POLYSOL	E143312
2	CORE	FERRITE	
3	SHIELDING	FERRITE	
4.	ADHESIVE	EPOXY RESIN	

7. TEST INSTRUMENT

7-1 Z Test by Agilent4291B+16197A

7-2 DCR Test by Zentech502BC

7-3 Insulation Resistance Test by Agilent 4338B

SPECITICATION FOR APPROVAL

8. SPECIFICATION

Part Number	Z (ohm) @100MHz ±20 %	RATED CURRENT (mA)	DCR (OHM) MAX.	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance @125VDC (mOHM) min.
SCM3216F-900M-I-LRH	90	400	0.30	50	125	10
SCM3216F-161M-I-LRH	160	340	0.40			
SCM3216F-261M-I-LRH	260	310	0.50			
SCM3216F-601M-I-LRH	600	260	0.80			
SCM3216F-102M-I-LRH	1000	230	1.0			
SCM3216F-222M-I-LRH	2200	200	1.2			

※MSL：LEVEL 1

9. RELIABILITY PERFORMANCE

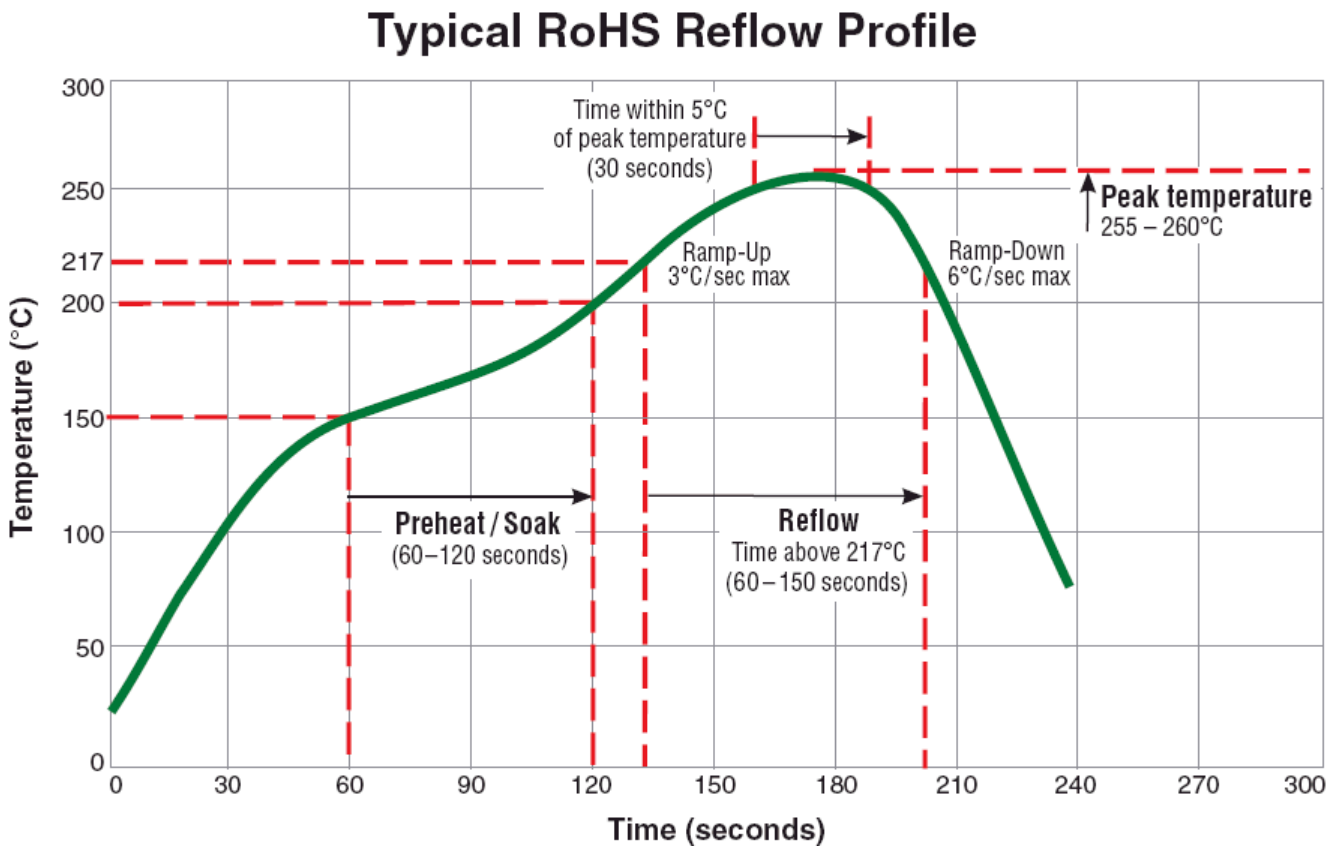
Reliability Experiment For Electrical

Test Item	Test Condition	Standard Source
Humidity Test	+40℃± 2℃, humidity of 90% ± 5% (total 96 hours).	MIL-STD-202G Method 103B Test Condition B
High Temperature Test	1.Temperature: +125℃±2℃ 2.Test time: 48±2hrs	IEC 68-2 Test Condition B
Low Temperature Test	1.Temperature: -40℃±2℃ 2.Test time: 48±2hrs	IEC 68-2 Test Condition A
Thermal Shock	+125℃±5℃ (30 minutes) ~ -40 ± 5℃ (30 minutes), temperature switch time: 5 minutes (total 50 cycles).	MIL-STD-202G Method 107G Test Condition B-2
Life Test	+70℃±5℃ (250Hours)	MIL-STD-202G Method 108A Test Condition B

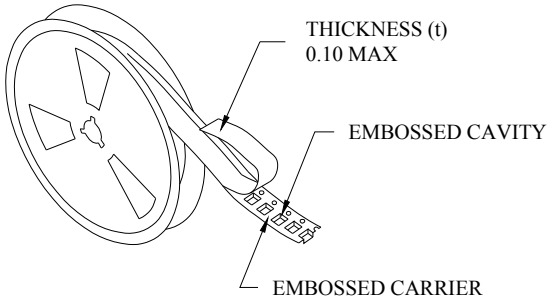
Reliability Experiment For Physical

Test Item	Test Condition	Standard Source
Vibration Test	10-55-10HZ, amplitude: 1.5mm, direction: X, Y, Z axes, each axis 2 hours (total 6 hours).	MIL-STD-202G Method 201A
Solder Heat Resistance Test	IR/convection reflow:Peak Temp 260±5℃ for 30Sec in air, Through 2 Cycle. Temperature Ramp:+1~4°C/sec; Above 217°C, must keep 90 s - 120 s.	J-STD-020D Classification Reflow Profiles
Solder Ability Test	Soak in 245 ℃ solder pot of 3Sec, PAD must have 95% above coverage.	J-STD-003B

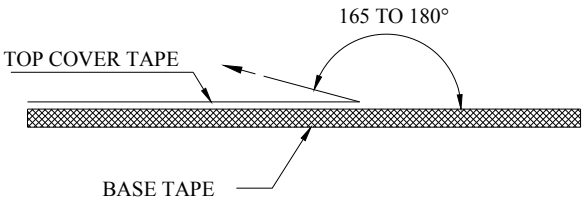
10. TYPICAL RoHS REFLOW PROFILE

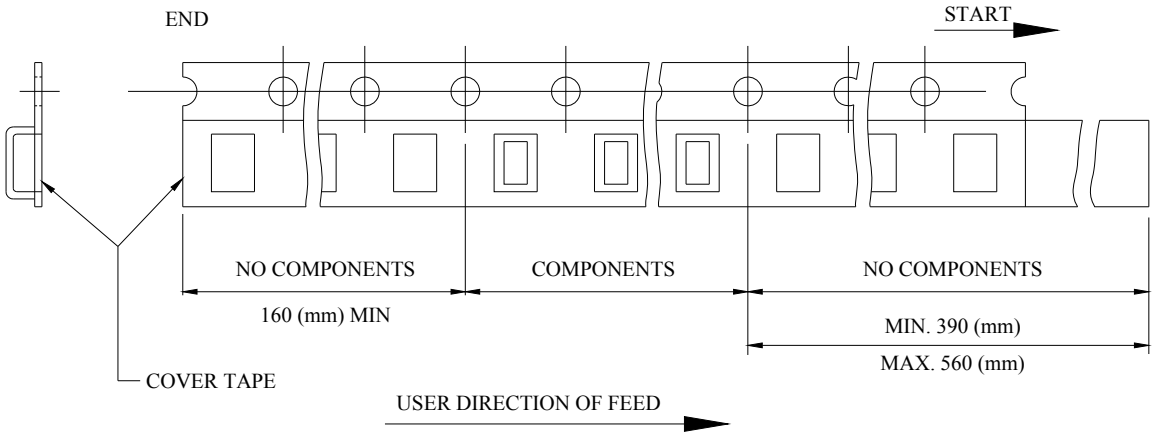


11. PACKAGING



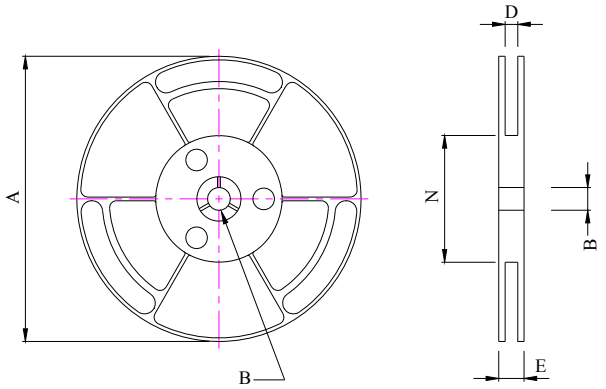
- THE FORCE FOR TEARING OFF COVER TAPE IS 10 TO 100 GRAMS IN THE ARROW DIRECTION.



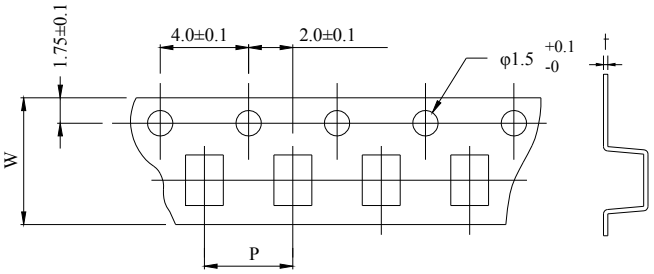


■ CARRIER TAPE REELS (mm)

MATERIAL: PLASTIC



■ DIMENSIONS OF CARRIER TAPE (mm)

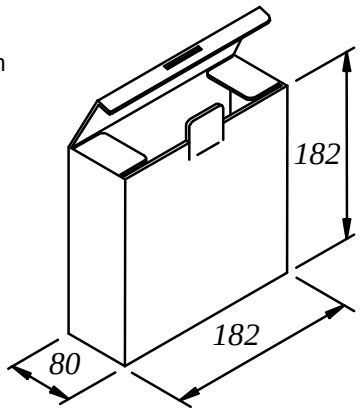


UNIT: mm

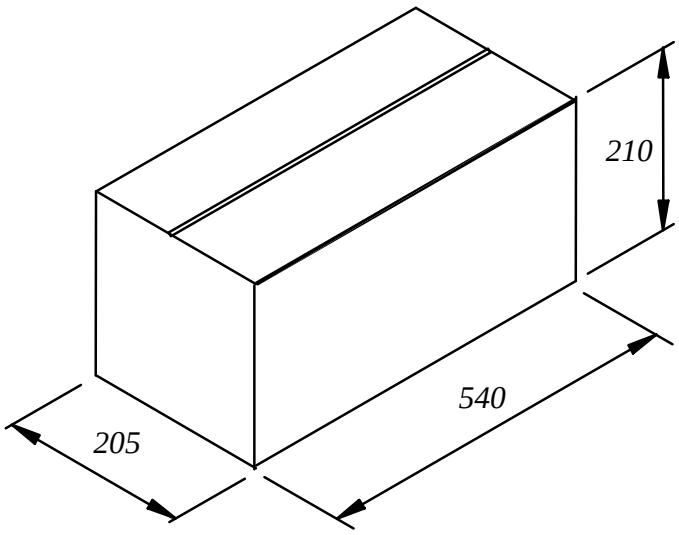
	A	B	C	D	N	P	W	t
DIM.	178	13.0	8.4	9.0	75	4.0	8.00	0.3
TOL.	±2.0	±0.8	+1.0-0	±0.3	±1.5	±0.10	±0.20	±0.05

SPECITICATION FOR APPROVAL

UNIT : mm



- CONSTURCTION:
  THE CASE CONTAINS 5-8mm WIDE CARRIER TAPES.
  Q'TY : 2,000 / REEL



TOTAL Q'TY : 60,000PCS