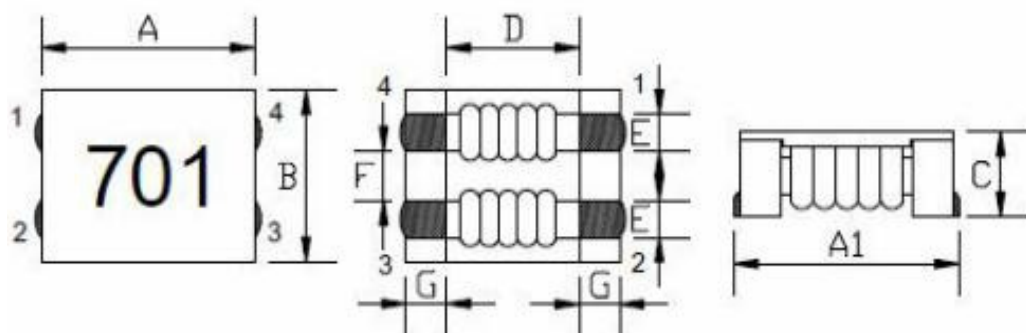


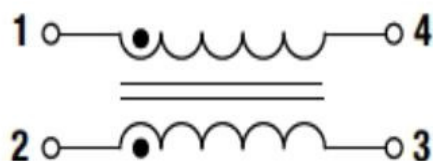
Common mode filter

/DIMENSION (UNIT : mm)



A	9.0±0.5
A1	9.5±0.5
B	7.0±0.5
C	4.8Max
D	5.7Typ
E	1.5±0.2
F	2.0±0.2
G	1.7±0.2

/CIRCUIT DIAGRAM



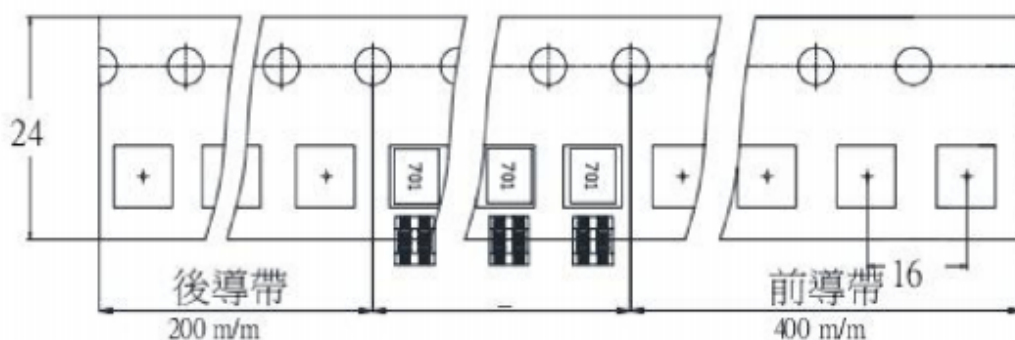
ELECTRICAL CHARACTERISTIC

P/N	Z (Ω) @100MHz		RDC (mΩ) Max	Rated Current (A) Max	IR (MΩ) Min	Rated Voltage (V) Max	Mark
	Min	Typ					
SMW9070S301RTT	225	300	6	6.0	10	50	301
SMW9070S501PTT	450	600	8	5.0	10	50	501
SMW9070S701PTT	500	700	10	5.0	10	50	701
SMW9070S102NTT	750	1000	13	4.0	10	50	102
SMW9070S152NTT	1200	1500	15	4.0	10	50	152
SMW9070S222KTT	1700	2200	60	2.5	10	50	222
SMW9070S272HTT	2000	2700	80	2.0	10	50	272
SMW9070S302HTT	2500	3000	85	1.9	10	50	302
SMW9070S402HTT	3300	4000	100	1.8	10	50	402

MATERIAL LIST

NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	SINCORES OR EQ
2	WIRE	2UEW P180	ELEKTRISOLA OR EQ
3	TAPE	DM TAPE	HENGRENXIN OR EQ
4	SOLDER	Sn Cu	SHENMAO OR EQ
5	EPOXY	ME-5890	PENGNO OR EQ
6	INK	BLACK	BON MARK

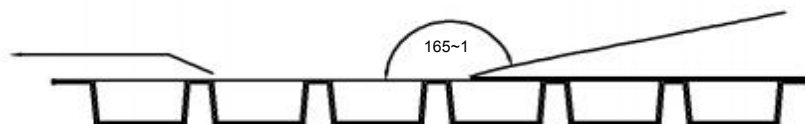
TAPING SPECIFICATIONS



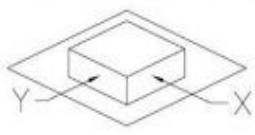
Transparent carrier and cover tape/

Adhesive strength of cover tape is 20 to 120 gf

The conduction band direction

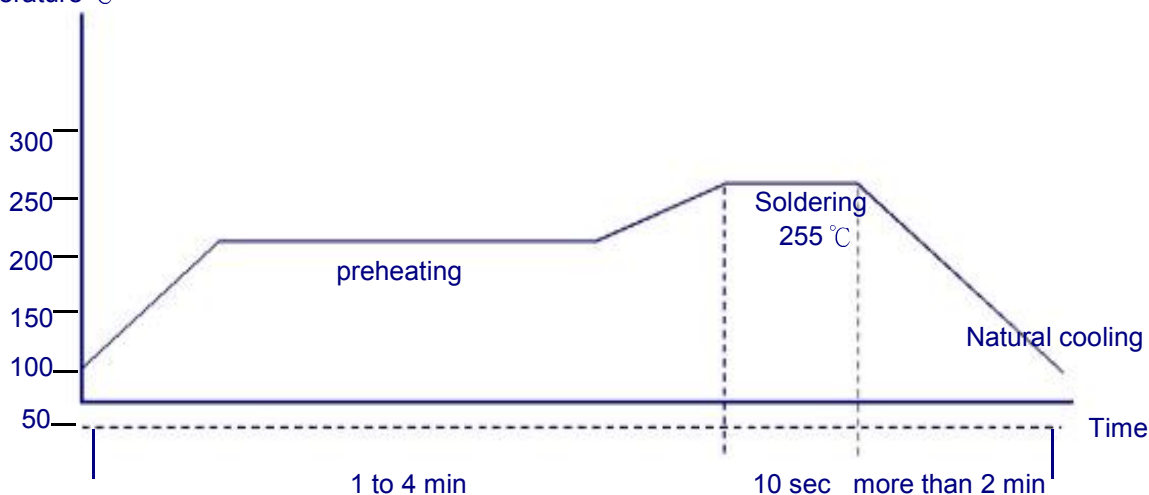


RELIABILITY TESTING

Operating Temperature	- 30 to + 100 °C (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength 	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. (Refer to figure at right)
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core .
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core .
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C (- 30 ~ + 100 °C)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition .

A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

IR Reflow profile
Temperature °C



Temperature and humidity . After that , no mechanical and electrical defect should be found .