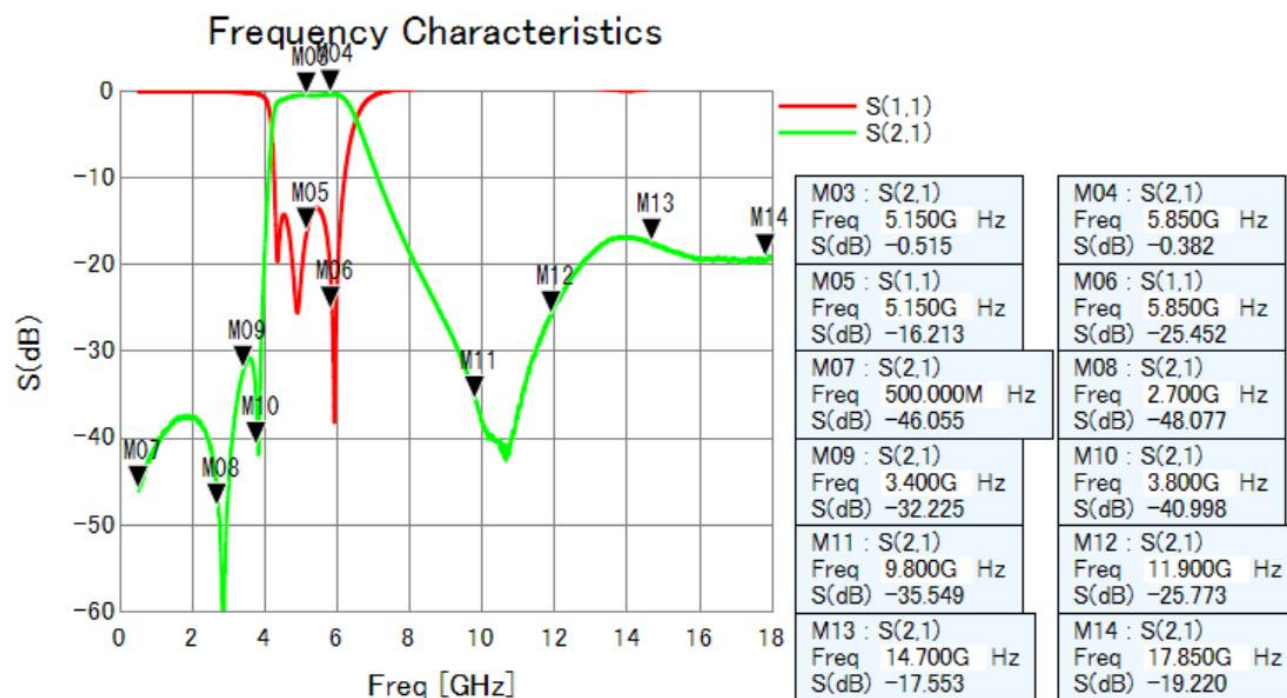


BAND PASS FILTER

1. Characteristics (at -40 to +85 °C)

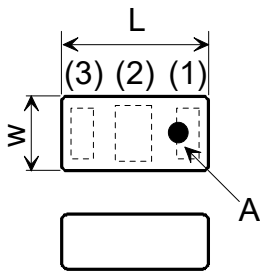
Part Number	LFB185G54CGLD708
Nominal Characteristics Impedance	50 Ω (Nominal)
Pass Band Range (BW)	5425.00 \pm 525.00 MHz
Insertion Loss in BW	0.85 dB max. at 25 °C 1.00 dB max. at -40 ~ +85 °C
Attenuation (Absolute value)	32.0 dB min. at 30.00 ~ 2700.00 MHz 15.0 dB min. at 3400.00 ~ 3800.00 MHz 15.0 dB min. at 9800.00 ~ 11900.00 MHz 5.0 dB min. at 14700.00 ~ 17850.00 MHz
V.S.W.R. in BW	2.10 max.
Power Capacity	1W max.



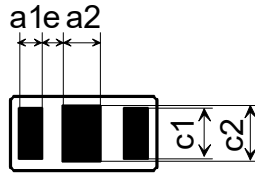
2. Construction, Dimensions & Marking

3. Land Pattern

<Top View>



<Bottom View>



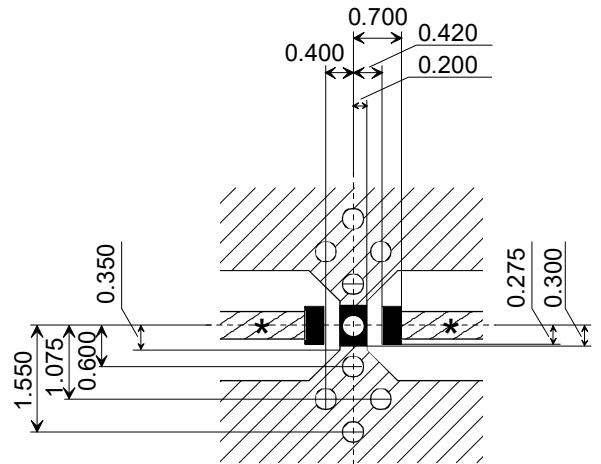
Mark	Meaning
A	Directional Input Mark

(in mm)

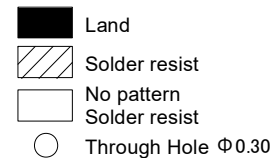
Mark	Dimension	Mark	Dimension
L	1.6 ± 0.1	a2	0.40 ± 0.10
W	0.8 ± 0.1	c1	0.55 ± 0.10
T	0.65 max.	c2	0.60 ± 0.10
a1	0.25 ± 0.10	e	0.23 ± 0.05

TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	IN	(3)	OUT
(2)	GND	-	-



(in mm)

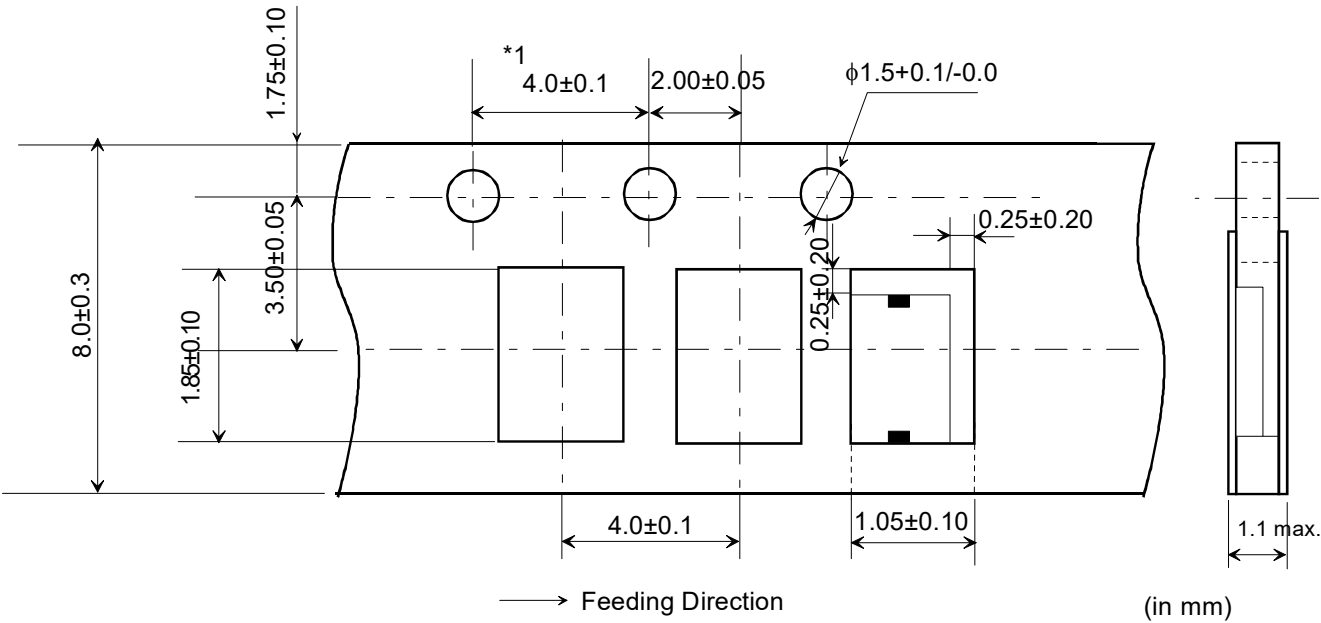


* Line width to be designed to match 50 ohm characteristic impedance, Depending on PCB material and thickness.

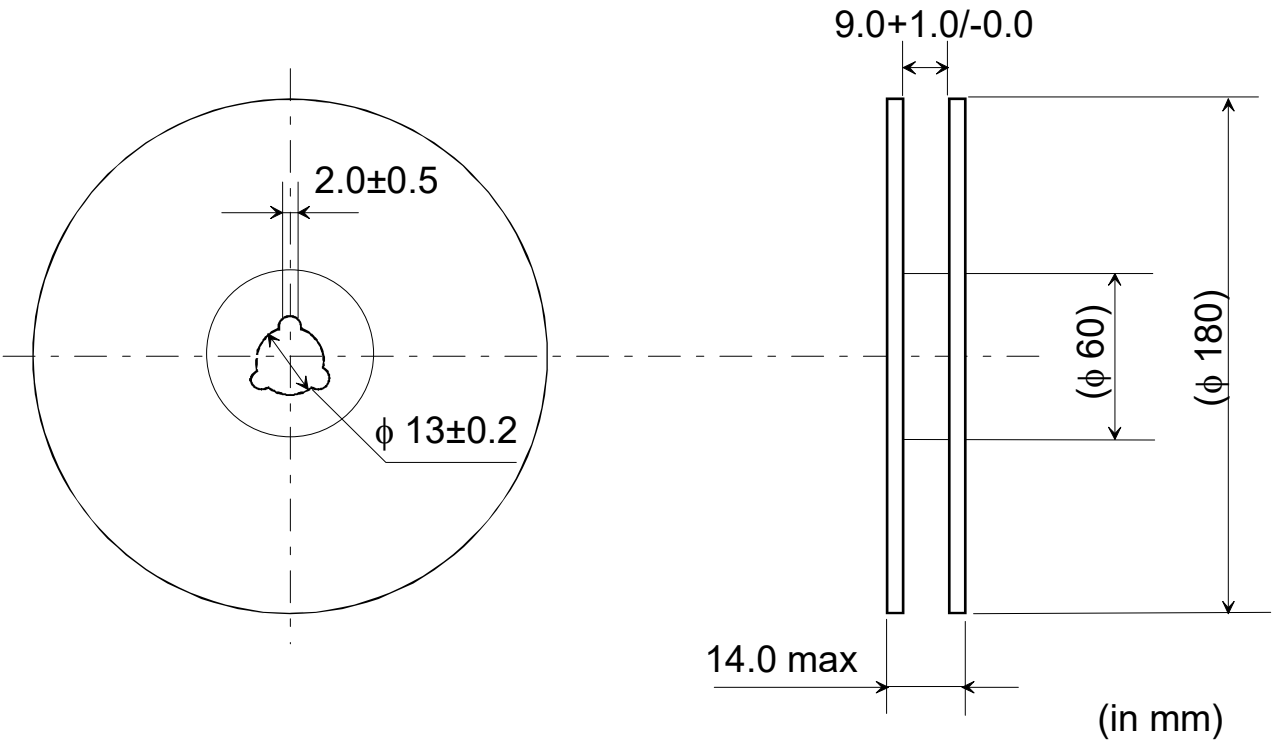
4. Tape and Reel Packing

(1) Dimensions of Tape (Paper tape)

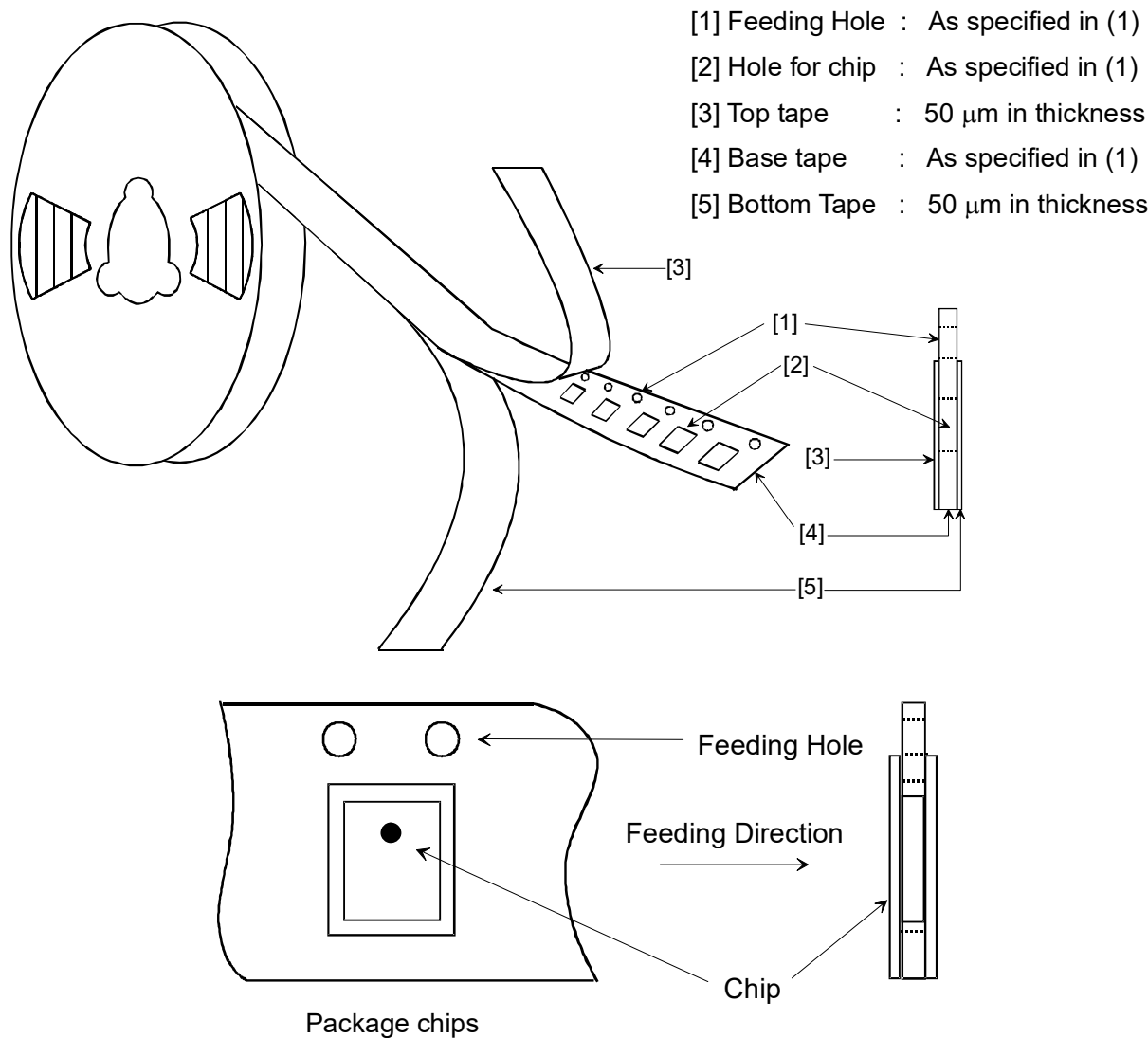
*1 Cumulative tolerance of max. ± 0.3 every 10 pitches



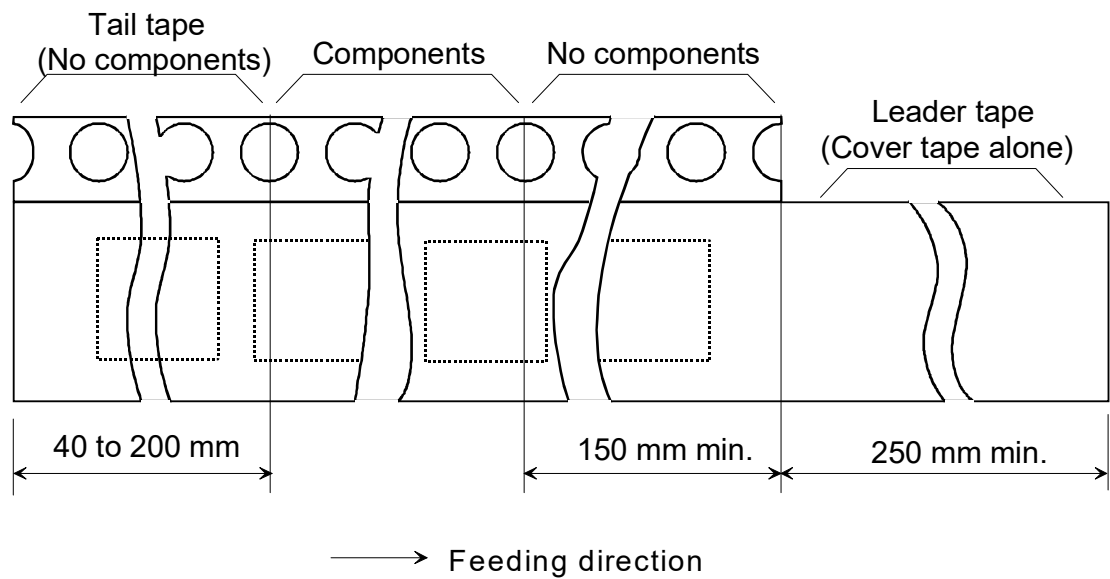
(2) Dimensions of Reel



(3) Taping Diagrams



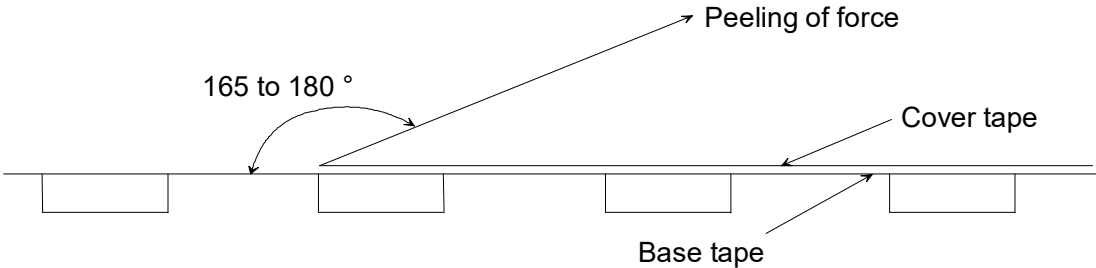
(4) Leader and Tail tape



- (5) The tape for chips are wound clockwise, the feeding holes to the right side as the tape is pulled toward the user.
- (6) The top tape and bottom tape shall not protrude the edges of the tape, and shall not cover sprocket holes.
- (7) The top tape and base tape are not adhered at no components area for 250 mm min.
- (8) Tear off strength against pulling of top tape and bottom tape : 5N min.
- (9) Packaging unit : 4000 pcs. / reel
- (10) Material : Base tapePaper

Reel Plastic
- (11) Peeling of force : in the direction of peeling as shown below.
 Peeling speed : 300mm/min ±10mm/min

Tape width	Peeling of force (max)
8mm	1.0N
12-56mm	1.3N
72-200mm	1.5N



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- Undersea equipment.
- Medical equipment.
- Traffic signal equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.
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- Power plant control equipment
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
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