

Product Information

Control No. : ARP-4615100-D1

Issued on November 1, 2023

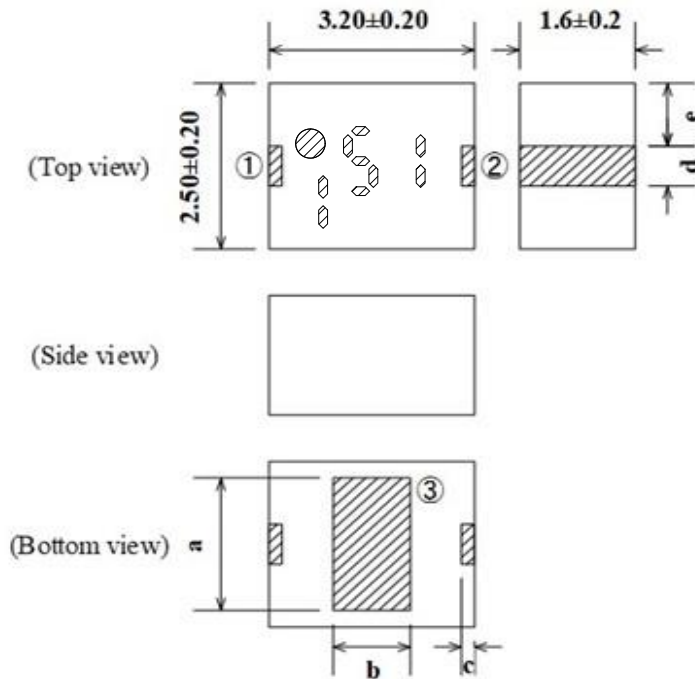
Measured Data

RoHS Compliant Part

1. Type No.

HMD6151B

2. Dimension (Unit : mm)



Terminal	
①	Input
②	Output
③	GND

Terminal Dimensions	
a	2.00 Typ.
b	1.20 Typ.
c	0.30±0.15
d	0.60±0.20
e	0.95 Typ.

3. Electrical characteristics

Parameters	Specification	Typical	Unit	Remark
RF Pass Band	2496-2690	-	MHz	
DPD Pass Band1	2355-2835	-	MHz	
DPD Pass Band2	2302-2884	-	MHz	
Nominal Impedance	50	-	ohm	
Insertion loss in RF Pass Band at -40to +120 deg C.	1.5 Max.	0.8	dB	
Ripple in RF Pass Band at -40to +120 deg C.	0.6 Max.	0.1	dB	
Ripple in DPD Pass Band1 at -40to +120 deg C.	1.0 Max.	0.3	dB	
Ripple in DPD Pass Band2 at -40to +120 deg C.	1.5 Max.	0.5	dB	
Return Loss in RF Pass Band at -40to +120 deg C.	10.0 Min	17.5	dB	
Attenuation at -40to +120 deg C.	at 1 MHz - 2000 MHz	21.5 Min	42.1	dB
	at 3300 MHz - 3402 MHz	28.0 Min	34.0	dB
	at 3402 MHz - 12000 MHz	21.5 Min	26.2	dB

4. Note

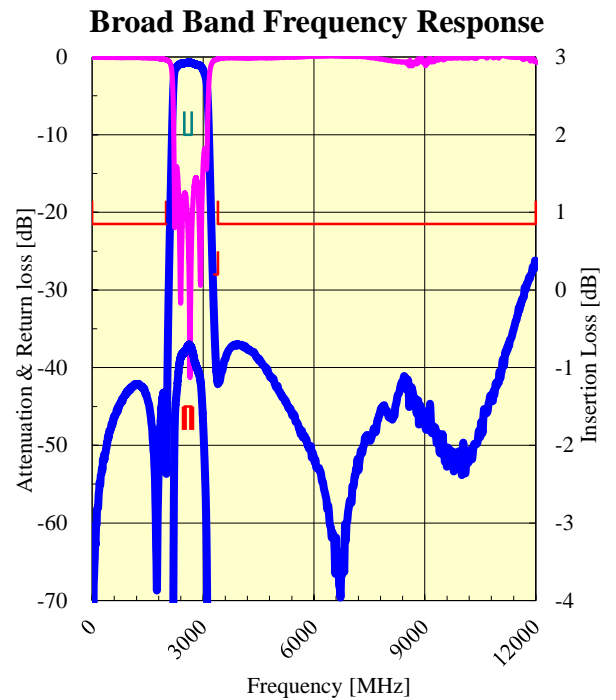
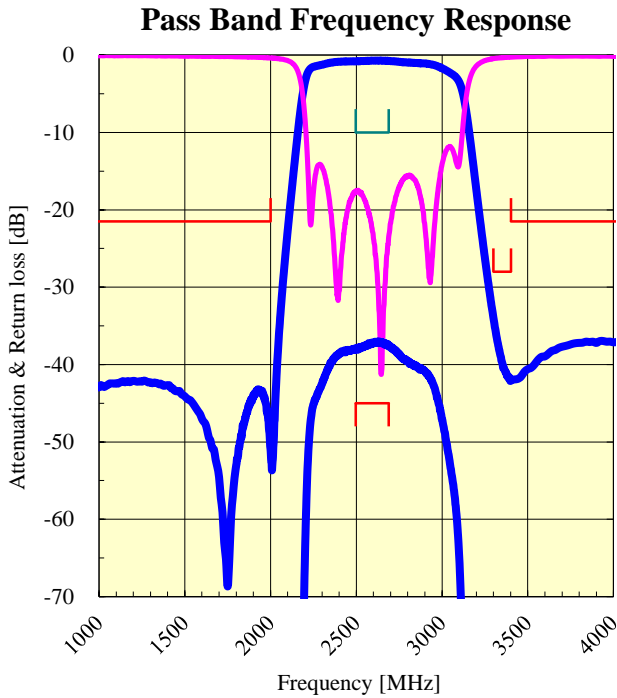
- 4.1 Operating Temperature Range : -40 to +120 degC.
 4.2 Storage Temperature Range before soldering in taping packag : -20 to +35 degC.
 4.3 Standard Reel Quantity : 2,000 pcs (per reel, per bag)

Approved by	Confirmed by	Raised by
Y. Imai	S.Suzuki	H.Aizawa

SOSHIN ELECTRIC CO., LTD.

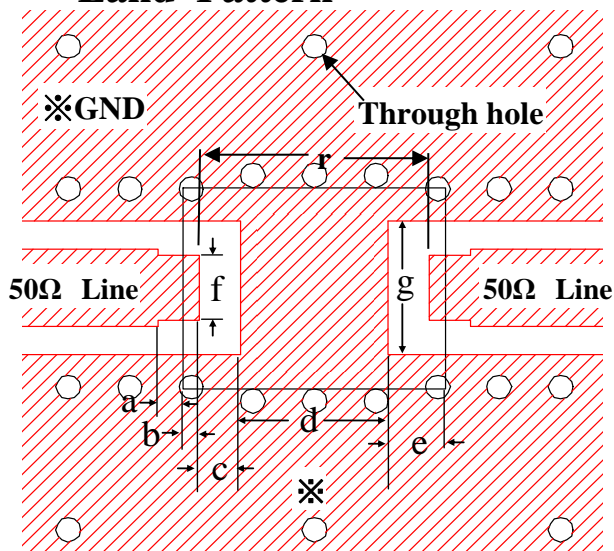
5. Representative characteristics

Measured data



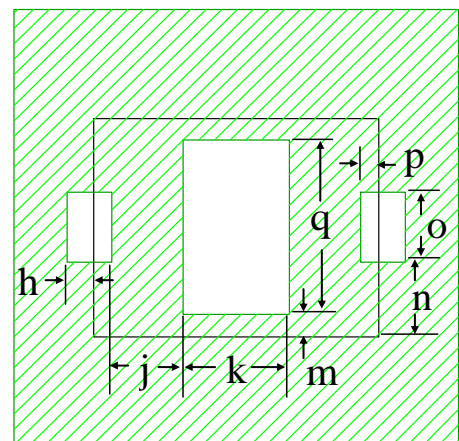
6. Recommended Land Pattern

*Land Pattern



a 0.30 mm	e 0.45 - 0.80 mm
b 0.20 mm	f 0.80 mm
c 0.25 - 0.60 mm	g 1.66 mm
d 1.60 - 2.30 mm	r 2.80 mm

*Resist Pattern



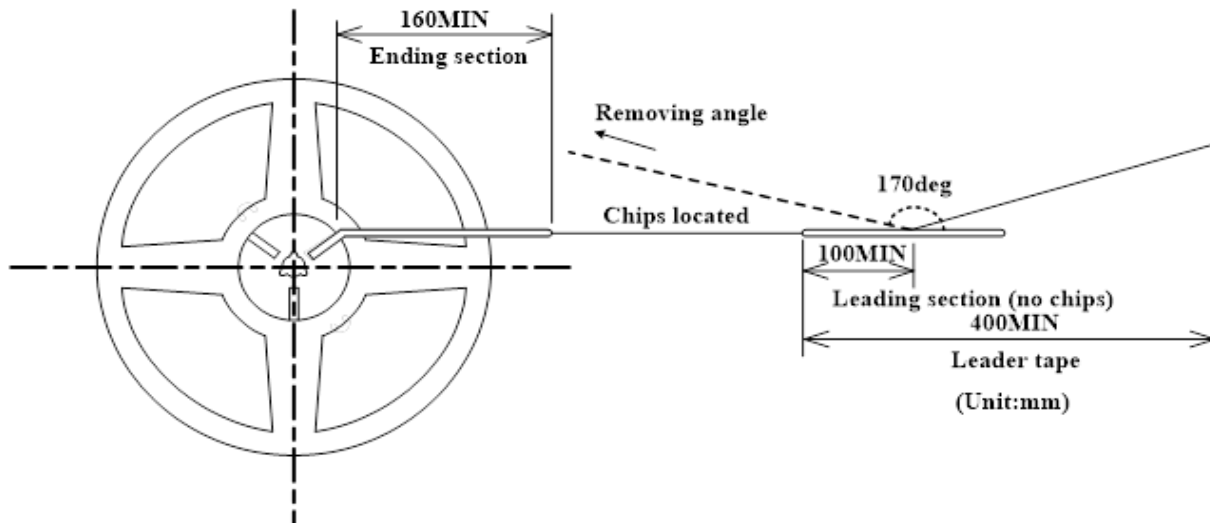
h 0.30 mm	n 0.85 mm
j 0.80 mm	o 0.80 mm
k 1.20 mm	p 0.20 mm
m 0.25 mm	q 2.00 mm

7. Packing method

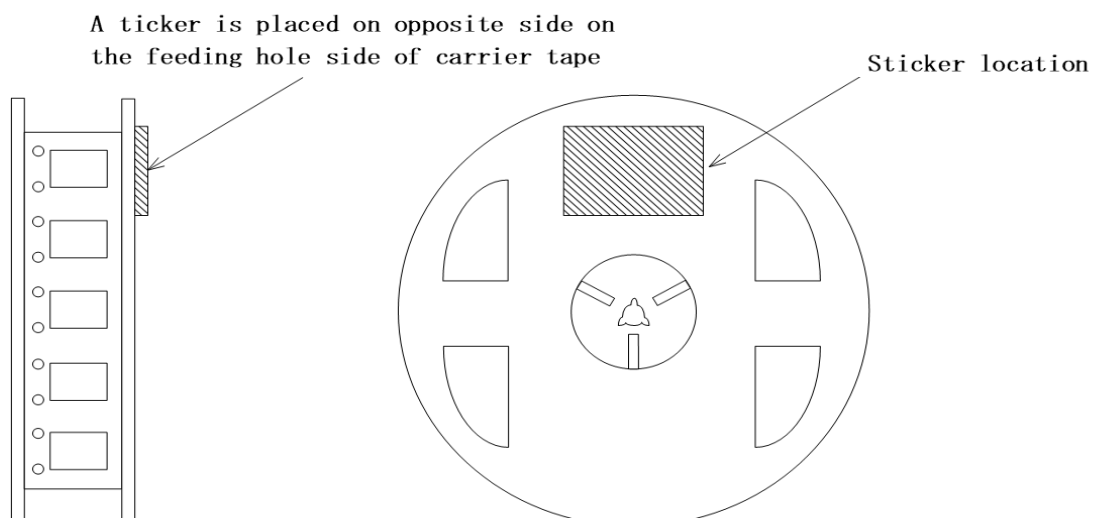
7. 1 Taping conditions

Taping conditions are shown below. Refer to IEC60286-3

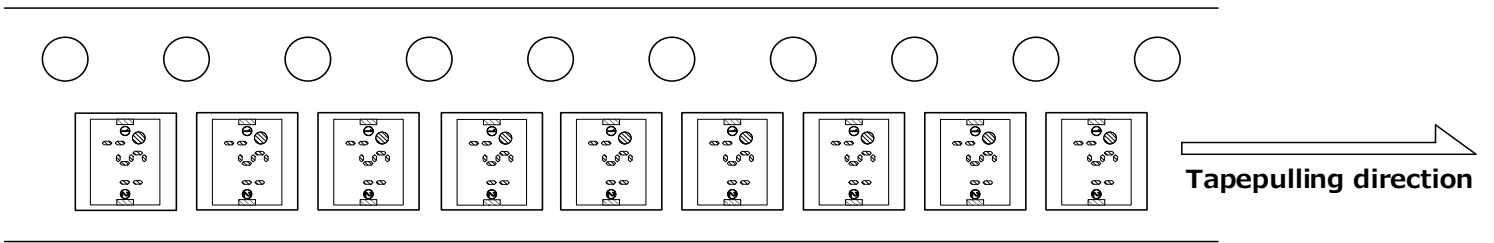
- (1) Tape must be wound clockwise with the feeding hole coming to the right hand side.
- (2) Top cover tape must not cover feeding holes of carrier tape and/or show out of carrier tape.
- (3) A blank section carrying no chips of a length of 160mm min. on ending section and 100mm min. on leading section must be provided.
- (4) A leading section of 400mm min. must be provided on top cover tape.



- (5) To end tape winding, the leading section of top cover tape must be stuck on a side of a reel with adhesive tape.
- (6) Removing force of top cover tape in the unwinding with an angle of 170 degrees between the removed side of a reel and carrier tape must be 0.1 to 1.0N.
- (7) When the embossed tape is turned upside down with the sealing tape peeled off, the filter body inside of the tape must fall off and the mounter must not cause a take-up mistake.
- (8) A sticker carrying Soshin product №, quantity, lot №, inspection date is to be placed on the specified side of reels. And Lot No. means our production control number. The shipment records are available if requested.



(9) Product orientation must be consistent. Products must not be positioned out of the mounting location.

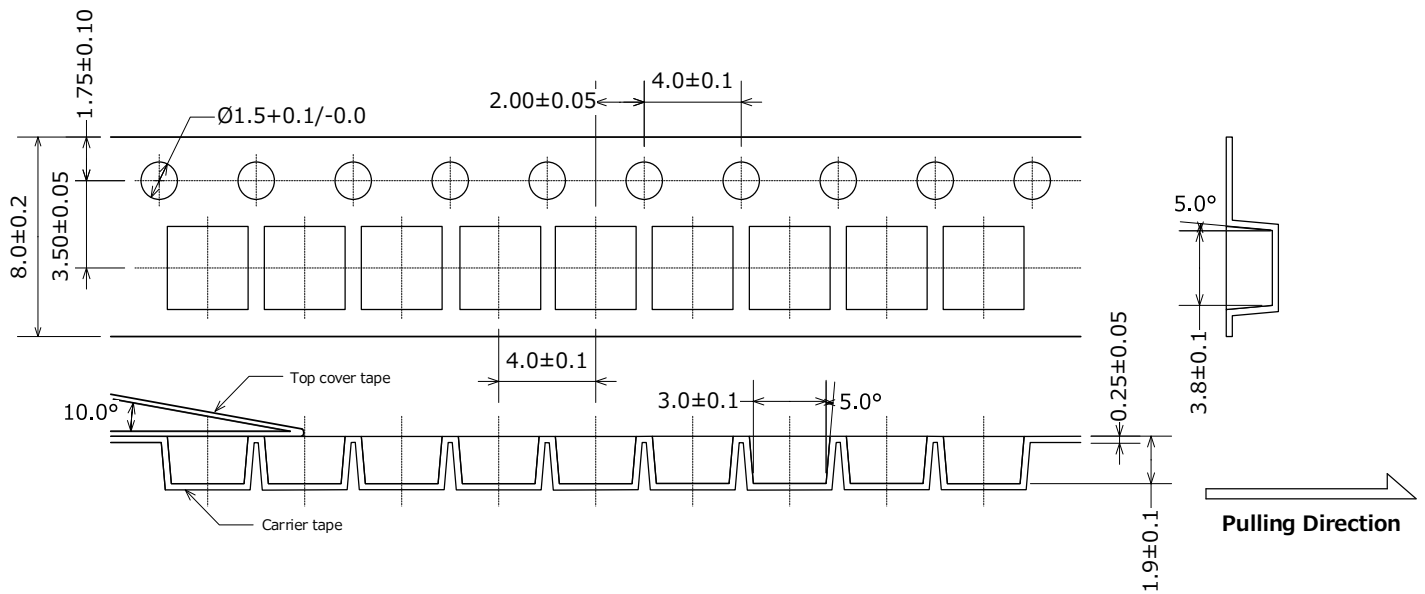


(10) A taping reel must be sealed in a plastic bag, individually.

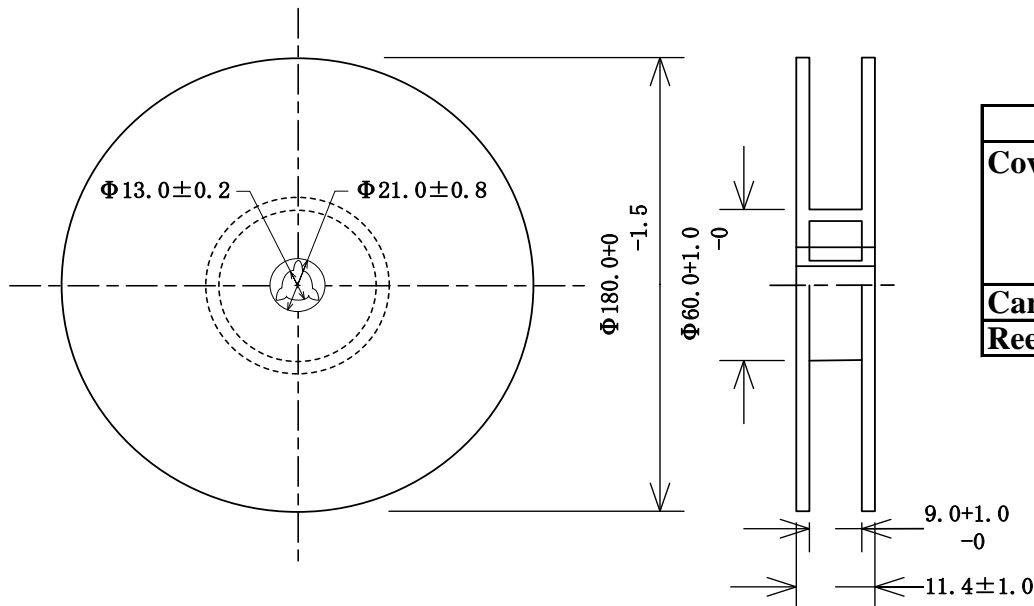
(11) Tape-packaged quantity

The quantity is 2,000 pcs per single tape-package as a rule.

7. 2 Dimensions of the carrier tape (Unit : mm)



7. 3 Carrier tape reel dimensions (Unit : mm)



Material	
Cover tape	Polyester + LDPE + PSresin + Conductive coat
Carrier tape	PS+Carbon
Reel	PS