

**To:** ALL FIELD

**Date:** 10-Jun-21

**Notice Number:** RFP20210610A

**Subject:** PRODUCT CHANGE NOTICE - EMBOSSED TAPE

1. Outline and Affected products:

PCN#	Release Date dd-mmm-yy	Part Number	Embossed Tape
MCP20210610A	10-Jun-21	CE3514M4-C2	Appendix 2 (Tape thickness change)
MCP20210610A	10-Jun-21	CE3521M4-C2	
MCP20210610A	10-Jun-21	CA3509M4-C2B	
MCP20210610A	10-Jun-21	CG2179M2-C4	Appendix 3 (Tape thickness change)
MCP20210610A	10-Jun-21	CG2179M2-C4-Q	
MCP20210610A	10-Jun-21	CG2409M2-C4	

2. Details of the embossed tape changed:

- There is no change in the material of embossed tape.
- There is no change in tape width, pitch, etc.
- Tape thickness change.
- Please refer to Appendix 2 and 3 for details.

3. Reason for the change:

- To avoid unstable supply of raw materials for embossed tape.

4. Schedule of change:

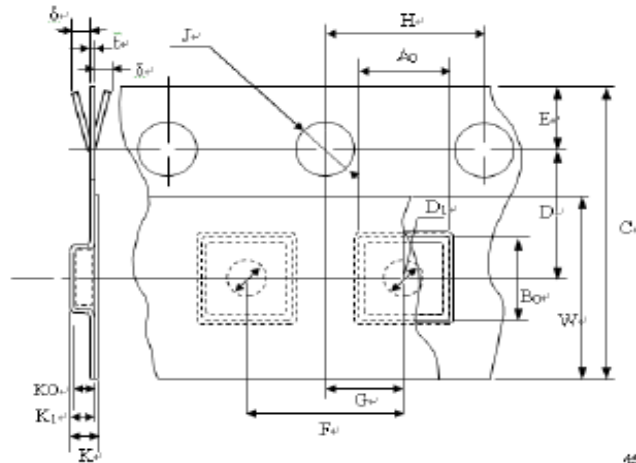
- Will change sequentially from July 2021 production.

5. Electrical characteristics and reliability:

- There is no influence of the electrical characteristics and reliability by the change.
- There is no change of manufacturing process and manufacture flow.

Appendix 2: Embossed tape for "Low Noise GaAsFET"

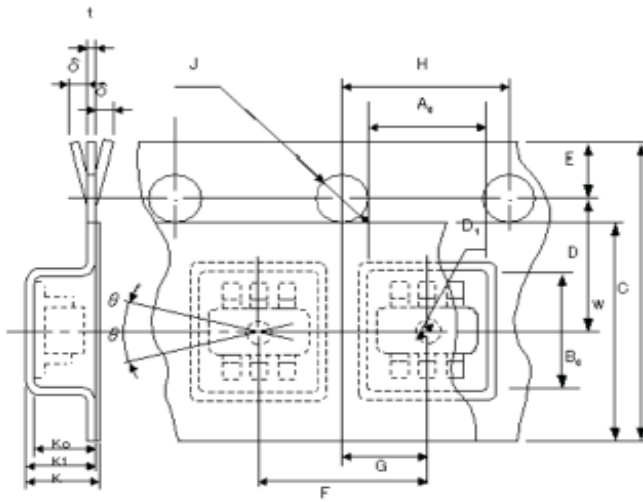
Embossed tape for "Low Noise Amplifier GaAsIC for GNSS/SDARS"



特に指定のない限り、単位：mm  
Unit : mm (unless otherwise specified)

項目 Item	照合文字 Symbol	従来 寸法・角度 Size : Conventional	変更 寸法・角度 Size : Change	備考 Remarks	
部品挿入 凹み角穴 Pocket	縦 Length	A <sub>0</sub>	2.41±0.05	2.41±0.05	ポケット底部 Pocket Bottom Size
	横 Width	B <sub>0</sub>	2.26±0.05	2.26±0.05	ポケット底部 Pocket Bottom Size
	深さ Depth	K <sub>0</sub>	0.85±0.05	0.85±0.05	内部空間 Inner Size
	ピッチ Pitch	F	4.0±0.1	4.0±0.1	累積公差±0.2/10ピッチ Accumulated Tolerance: ±0.2/10 Pitch
空気穴 Air Hole	直径 Diameter	D <sub>1</sub>	φ1.05±1.0	φ1.05±1.0	
送り丸穴 Perforation	直径 Diameter	J	φ1.55±0.05	φ1.55±0.05	
	ピッチ Pitch	H	4.0±0.1	4.0±0.1	累積公差±0.2/10ピッチ Accumulated Tolerance: ±0.2/10 Pitch
	位置 Position	E	1.75±0.1	1.75±0.1	テープ端と穴中心との距離 Distance between edge of tape and center of perforation
中心線間距離 Distance between Centerline	縦方向 Length Direction	G	2.0±0.05	2.0±0.05	凹み角穴と送り丸穴の中心線 Distance between centerline of pocket and perforation
	横方向 Width Direction	D	3.5±0.05	3.5±0.05	凹み角穴と送り丸穴の中心線 Distance between centerline of pocket and perforation
テープ Tape	幅 Width	C	8.0±0.2	8.0±0.2	反りδ:MAX 0.3 Bend δ:MAX 0.3
	厚さ Thickness	t	0.3 <sup>MAX</sup> <sub>0.1</sub>	0.25±0.05	寸法に変更があります。 There is a change in dimension.
	穴部外形深さ Depth	K <sub>1</sub>	1.28MAX	1.28MAX	
全体の厚さ Overall Thickness	K	1.38MAX	1.38MAX	カバーテープ及びエンボステープ総合 Overall thickness of cover tape and embossed tape	

Appendix 3: Embossed tape for "RF switch"



特に指定のない限り、単位：mm  
Unit : mm unless otherwise specified

項目 Item	照合文字 Symbol	従来 寸法・角度 Size : Conventional	変更 寸法・角度 Size : Change	備考 Remarks
部品挿入 回み角穴 Pocket	縦 Length	A <sub>0</sub>	2.2±0.1	2.2±0.1 ポケット底部 Pocket Bottom Size
	横 Width	B <sub>0</sub>	2.4±0.1	2.4±0.1 ポケット底部 Pocket Bottom Size
	深さ Depth	E <sub>0</sub>	1.2±0.1	1.2±0.1 内部空間 Inner Size
	ピッチ Pitch	F	4.0±0.1	4.0±0.1 累積公差±0.2/10ピッチ Accumulated Tolerance: ±0.2/10 Pitch
空気穴 Air Hole	直径 Diameter	D <sub>1</sub>	φ1.1	φ1.1 参考 Reference
送り丸穴 Perforation	直径 Diameter	J	φ1.5	φ1.5
	ピッチ Pitch	H	4.0±0.1	4.0±0.1 累積公差±0.2/10ピッチ Accumulated Tolerance: ±0.2/10 Pitch
	位置 Position	E	1.75±0.1	1.75±0.1 テープ端と穴中心との距離 Distance between edge of tape and center of perforation
中心線間距離 Distance between Centerline	縦方向 Length Direction	G	2.0±0.05	2.0±0.05 回み角穴と送り丸穴の中心線 Distance between centerline of pocket and perforation
	横方向 Width Direction	D	3.5±0.05	3.5±0.05 回み角穴と送り丸穴の中心線 Distance between centerline of pocket and perforation
テープ Tape	幅 Width	C	8.0±0.2	8.0±0.2 反りδ: MAX 0.3 Bendδ: MAX 0.3
	厚さ Thickness	t	0.3±0.05	0.25±0.05 寸法に変更があります。 There is a change in dimension.
	穴部外形深さ Depth	K <sub>4</sub>	MAX 1.65	MAX 1.65
全体の厚さ Overall Thickness	K	MAX 1.75	MAX 1.75	カバーテープ及びエンボステープ総合 Overall thickness of cover tape and embossed tape