



Pb Free

RoHS Comforming

Features

- Small and low profile
- Low insertion loss
- High Selectivity
- Withstanding High Voltage

Applications

- PCS
- GPS

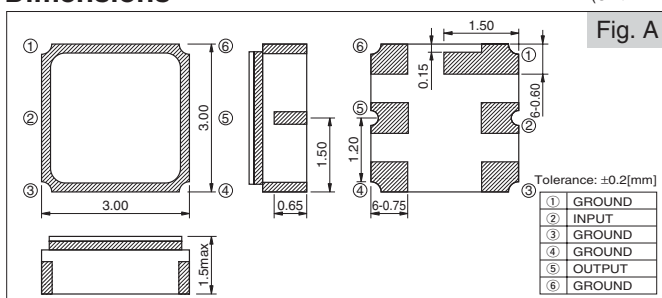
How to Order

SF 16 - 1575 F 4 UU 01
① ② ③ ④ ⑤ ⑥ ⑦

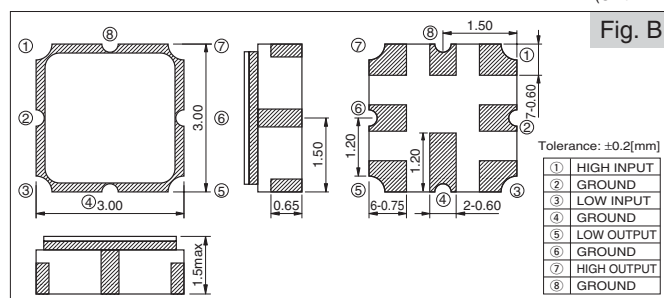
- ① Series
- ② Package Size
- ③ Frequency
- ④ Application
- ⑤ Tarminals
- ⑥ Input/Output Condition
- ⑦ Custom Specification

Dimensions

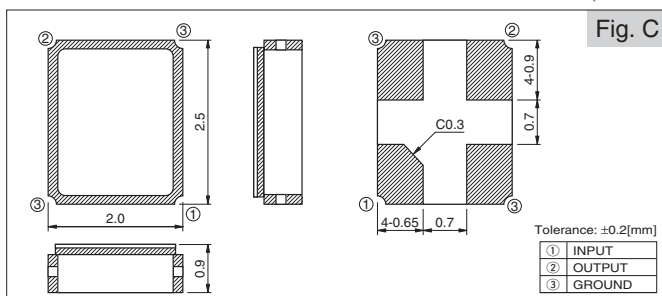
(Unit : mm)



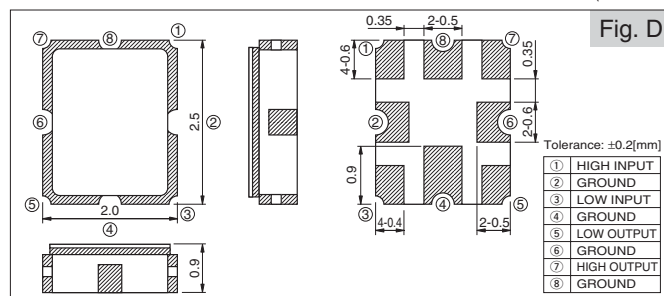
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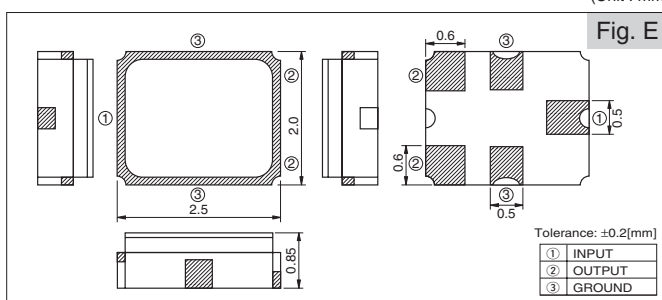
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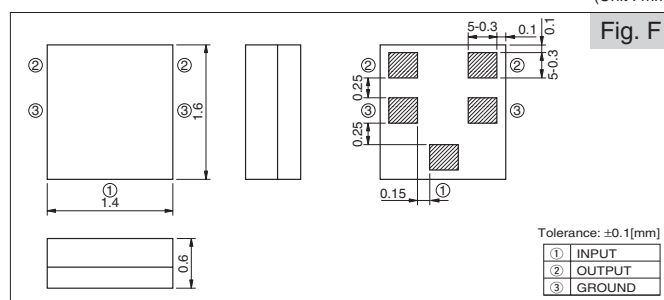
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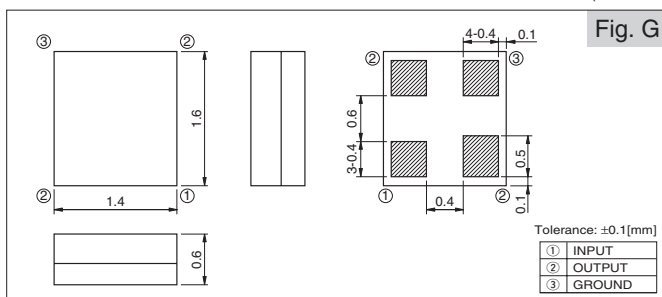
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(Unit : mm)



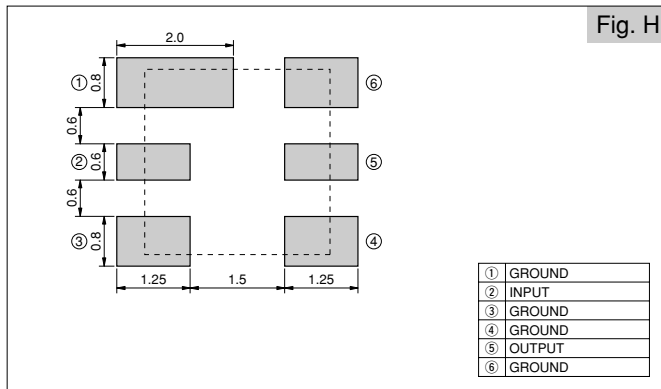
(Unit : mm)



Recommended Land Pattern

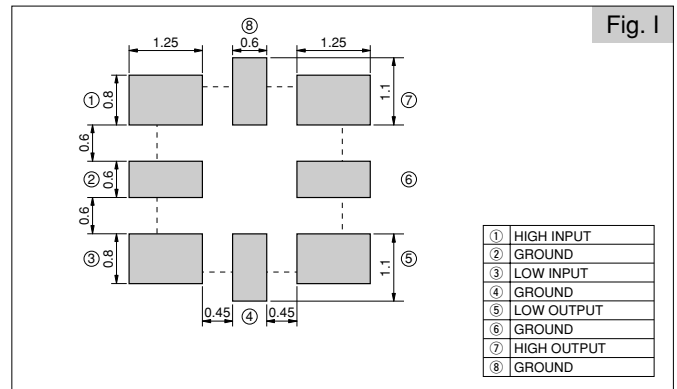
(Unit : mm)

Fig. H



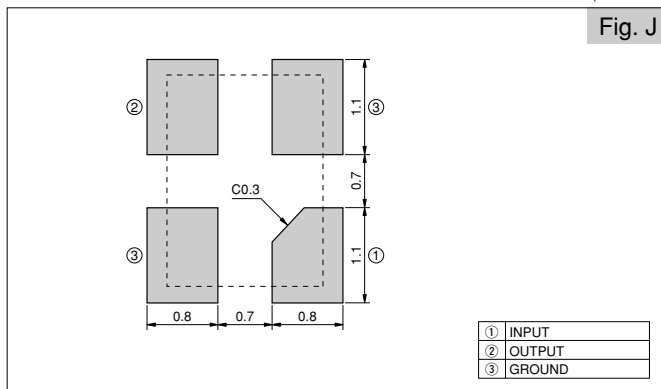
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Fig. I



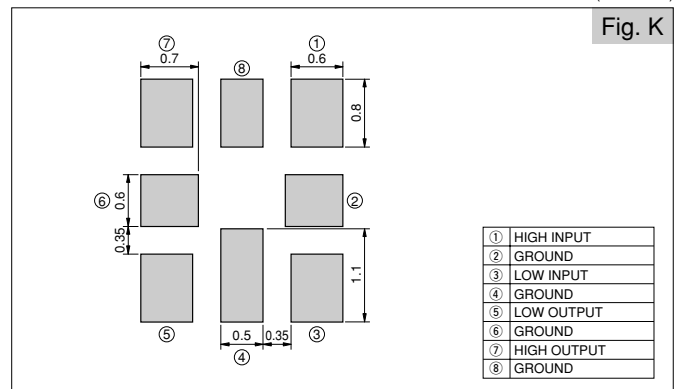
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Fig. J



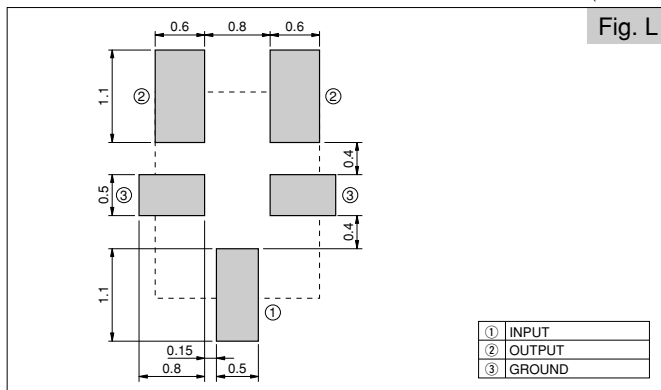
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Fig. K



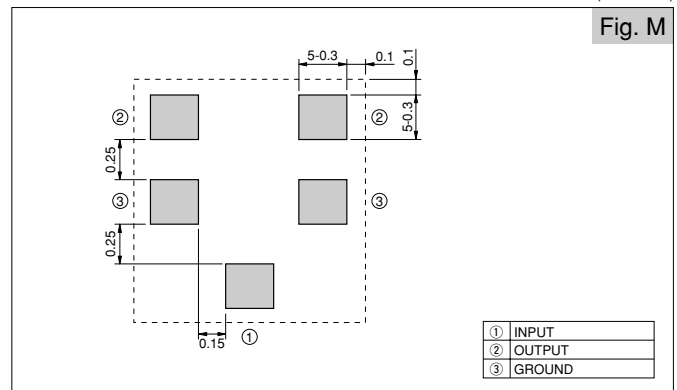
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Fig. L



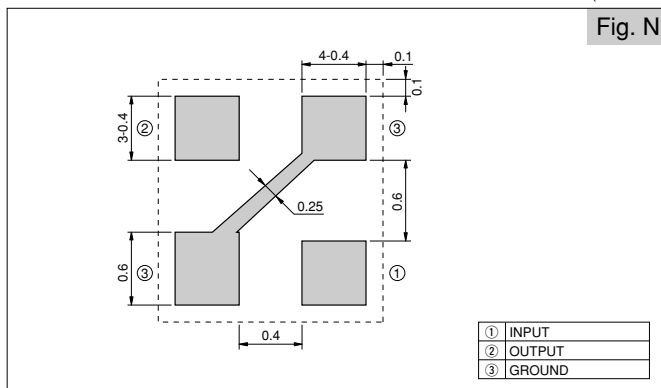
(Unit : mm)

Fig. M



(Unit : mm)

Fig. N

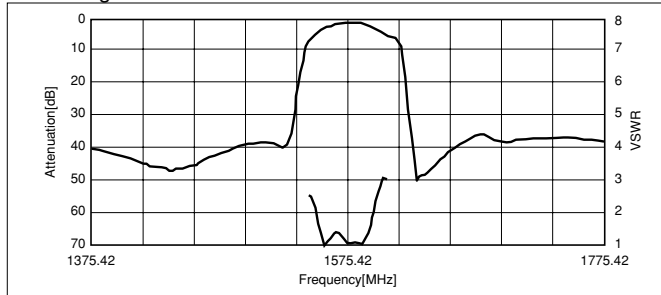


Specifications

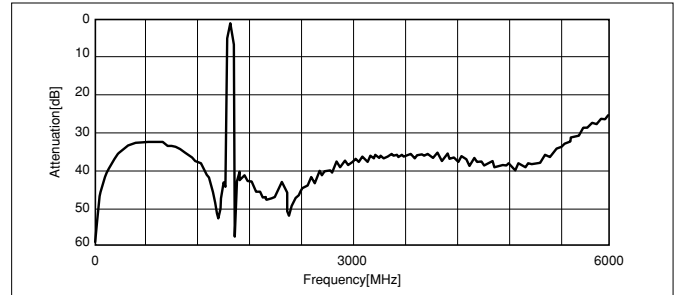
Parts No.	Application		Pass Band Frequency	Pass Band Insertion Loss	Pass Band Variation	Pass Band VSWR	Absolute Rejection						Operating Temperature	Storage Temperature	Dimensions	Test Circuit	Recommended Land Pattern	Taping Dimensions
SF16-0881M5UB01	Cellular	Differential	869MHz 894MHz	3.0dB max	1.5dB max	2.5 max	0MHz 824MHz 35dB min	824MHz 849MHz 30dB min	915MHz 960MHz 23dB min	960MHz 3000MHz 40dB min			-30 to +85°C	-40 to +85°C	Fig. F	Fig. R	Fig. M	Dimensions 4
SF16-1575F4UU01	GPS	Front End	1573.92MHz 1576.92MHz	1.8dB max	1.0dB max	2.0 max	810MHz 960MHz 27dB min	1429MHz 1501MHz 37dB min	1893MHz 2170MHz 35dB min						Fig. G	Fig. Q	Fig. N	Dimensions 4
SF16-1575M4UU01	GPS	Inter Stage	1573.92MHz 1576.92MHz	1.8dB max	1.0dB max	2.5 max	810MHz 960MHz 35dB min	1208.22MHz 1210MHz 45dB min	1207MHz 1210MHz 45dB min	1522.42MHz 1628.42MHz 25dB min	1850MHz 1910MHz 30dB min				Fig. G	Fig. Q	Fig. N	Dimensions 4
SF16-1960M5UB01	PCS	Differential	1930MHz 1990MHz	4.1dB max	2.0dB max	2.5 max	0MHz 1850MHz 30dB min	1850MHz 1910MHz 15dB min	2040MHz 2200MHz 25dB min	2800MHz 3400MHz 30dB min	3400MHz 6000MHz 20dB min				Fig. F	Fig. R	Fig. M	Dimensions 4
SF25-0881M5UB02	Cellular	Differential	869MHz 894MHz	3.0dB max	1.5dB max	2.5 max	0MHz 824MHz 35dB min	824MHz 849MHz 30dB min	915MHz 960MHz 23dB min	960MHz 3000MHz 40dB min					Fig. E	Fig. R	Fig. L	Dimensions 3
SF25-1575F4UU01	GPS Single	Front End	1573.92MHz 1576.92MHz	1.8dB max	1.0dB max	2.0 max	810MHz 960MHz 27dB min	1429MHz 1501MHz 37dB min	1893MHz 2170MHz 35dB min						Fig. C	Fig. Q	Fig. J	Dimensions 3
SF25-1575M5UB01	GPS	Differential	1573.92MHz 1576.92MHz	1.8dB max	0.7dB max	2.5 max	0MHz 1475MHz 30dB min	1475MHz 1525MHz 10dB min	1625MHz 1675MHz 10dB min	1675MHz 3155MHz 30dB min	3155MHz 6000MHz 20dB min				Fig. E	Fig. R	Fig. L	Dimensions 3
SF25-1575S4UU01	GPS Single	Inter Stage	1573.92MHz 1576.92MHz	3.0dB max	1.0dB max	2.0 max	810MHz 960MHz 45dB min	1429MHz 1501MHz 40dB min	1895MHz 1916MHz 35dB min						Fig. C	Fig. Q	Fig. J	Dimensions 3
SF25-1880H8UU00	PCS (Half)	Tx(Low)	1850MHz 1880MHz	2.2dB max	1.5dB max	2.0 max	0MHz 1700MHz 20dB min	1700MHz 1760MHz 15dB min	1770MHz 1800MHz 15dB min	1930MHz 1960MHz 32dB min	2040MHz 2100MHz 25dB min	2100MHz 2500MHz 20dB min			Fig. D	Fig. P	Fig. K	Dimensions 3
		Tx(High)	1880MHz 1910MHz	2.2dB max	1.5dB max	2.0 max	0MHz 1700MHz 20dB min	1700MHz 1760MHz 15dB min	1800MHz 1830MHz 15dB min	1960MHz 1990MHz 32dB min	2040MHz 2100MHz 25dB min	2100MHz 2500MHz 20dB min						
SF25-1960M5UB01	PCS	Differential	1930MHz 1990MHz	4.1dB max	2.0dB max	2.5 max	0MHz 1850MHz 30dB min	1850MHz 1910MHz 15dB min	2040MHz 2200MHz 25dB min	2800MHz 3400MHz 30dB min	3400MHz 6000MHz 20dB min				Fig. E	Fig. R	Fig. L	Dimensions 3
SF30-1575F6UU03	GPS Single	Front End	1573.92MHz 1576.92MHz	1.8dB max	1.0dB max	2.0 max	810MHz 958MHz 25dB min	1429MHz 1501MHz 25dB min	1893MHz 1920MHz 25dB min	1920MHz 2170MHz 25dB min	2450MHz 18dB min				Fig. A	Fig. O	Fig. H	Dimensions 1
SF30-1575S6UU03	GPS Single	Inter Stage	1573.92MHz 1576.92MHz	3.0dB max	1.0dB max	2.0 max	DC 810MHz 25dB min	810MHz 958MHz 45dB min	1429MHz 1501MHz 40dB min	1701MHz 1920MHz 40dB min	1893MHz 1920MHz 30dB min				Fig. A	Fig. O	Fig. H	Dimensions 1
SF30-1880M6UU00	PCS	Tx	1850MHz 1910MHz	4.5dB max	2.8dB max	2.5 max	1590MHz 1650MHz 20dB min	1720MHz 1780MHz 20dB min	1930MHz 1990MHz 7dB min	3400MHz 4800MHz 15dB min					Fig. A	Fig. O	Fig. H	Dimensions 1
SF30-1880H8UU00	PCS (Half)	Tx(Low)	1850MHz 1880MHz	3.0dB max	1.7dB max	2.3 max	0 1700MHz 20dB min	1700MHz 1760MHz 15dB min	1930MHz 1960MHz 32dB min	2200MHz 2700MHz 20dB min	2700MHz 3000MHz 7dB min				Fig. B	Fig. P	Fig. I	Dimensions 1
		Tx(High)	1880MHz 1910MHz	3.0dB max	1.7dB max	2.3 max	0 1700MHz 20dB min	1700MHz 1760MHz 15dB min	1960MHz 1990MHz 32dB min	2200MHz 2700MHz 20dB min	2700MHz 3000MHz 7dB min							
SF30-1960M6UU00	PCS	Rx	1930MHz 1990MHz	4.0dB max	2.8dB max	2.0 max	1509MHz 1780MHz 20dB min	1850MHz 1910MHz 10dB min	2100MHz 2375MHz 24dB min	3400MHz 4350MHz 10dB min					Fig. A	Fig. O	Fig. H	Dimensions 1

Characteristics

<GPS Single Front End>Parts No. : SF16-1575F4UU01

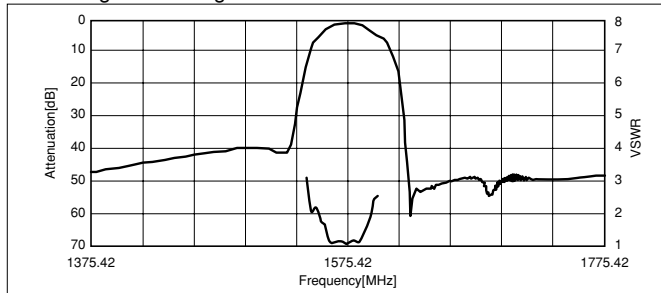


Pass Band Characteristics

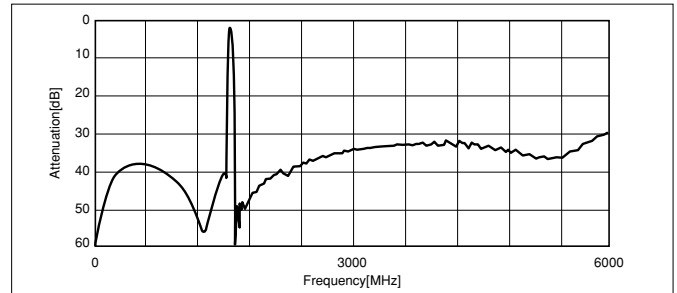


Spurious Characteristics

<GPS Single Inter Stage>Parts No. : SF16-1575M4UU01

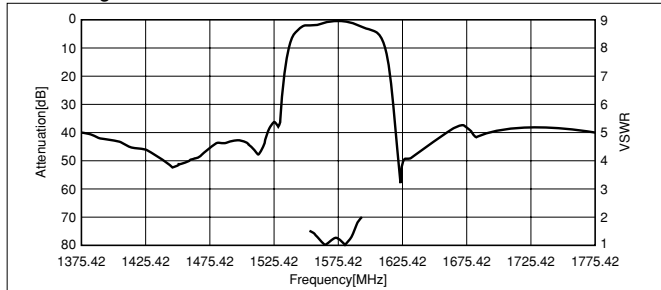


Pass Band Characteristics

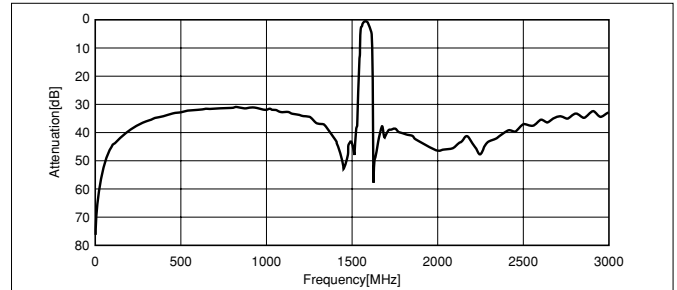


Spurious Characteristics

<GPS Single Front End>Parts No. : SF25-1575F4UU00

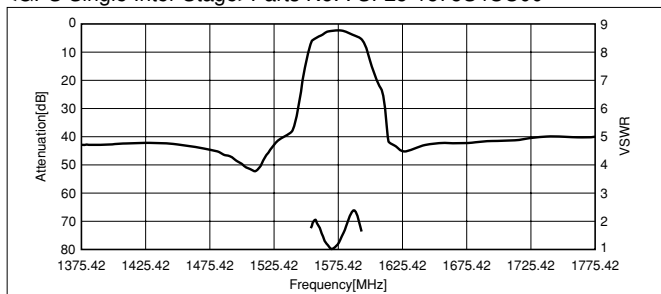


Pass Band Characteristics

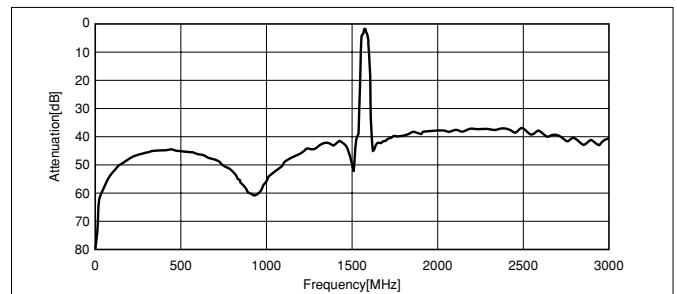


Spurious Characteristics

<GPS Single Inter Stage>Parts No. : SF25-1575S4UU00



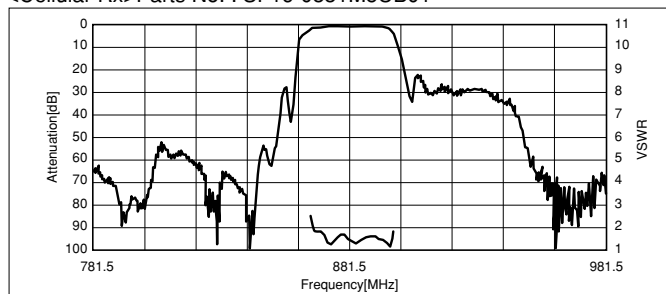
Pass Band Characteristics



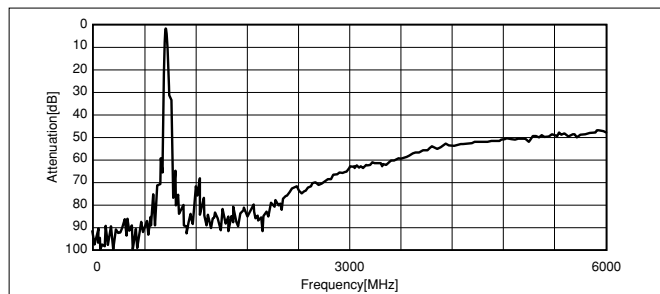
Spurious Characteristics

Characteristics

<Cellular Rx>Parts No. : SF16-0881M5UB01

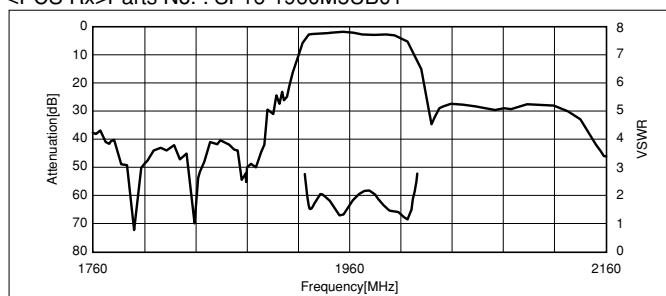


Pass Band Characteristics

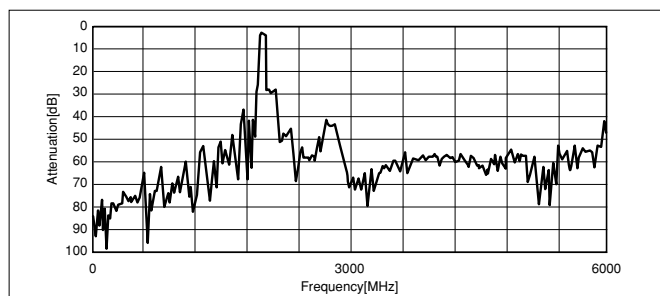


Spurious Characteristics

<PCS Rx>Parts No. : SF16-1960M5UB01

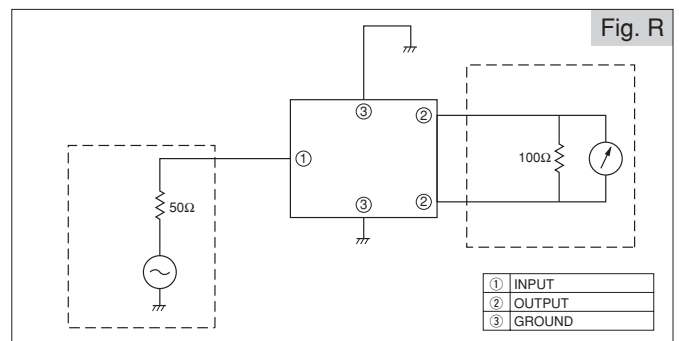
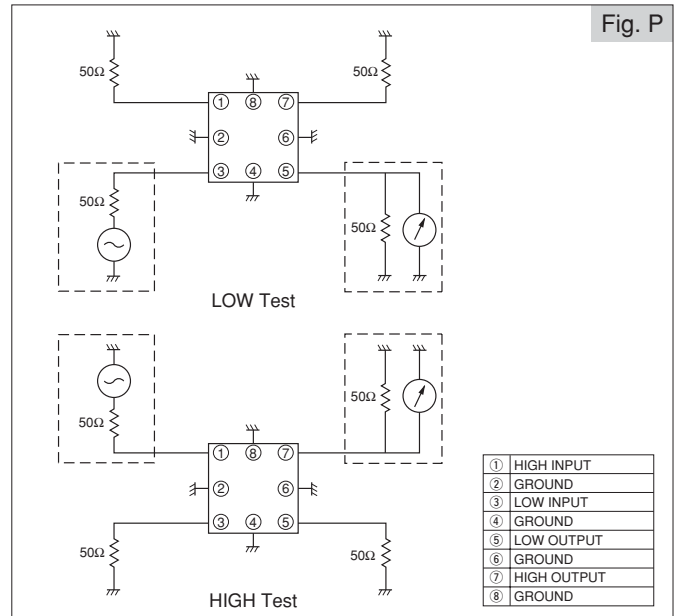
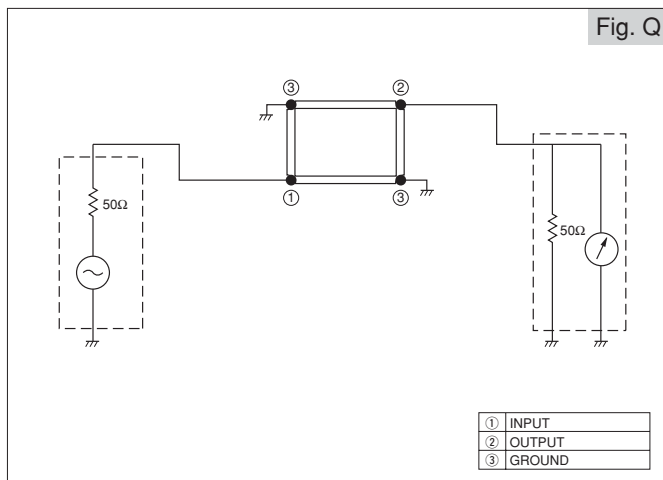
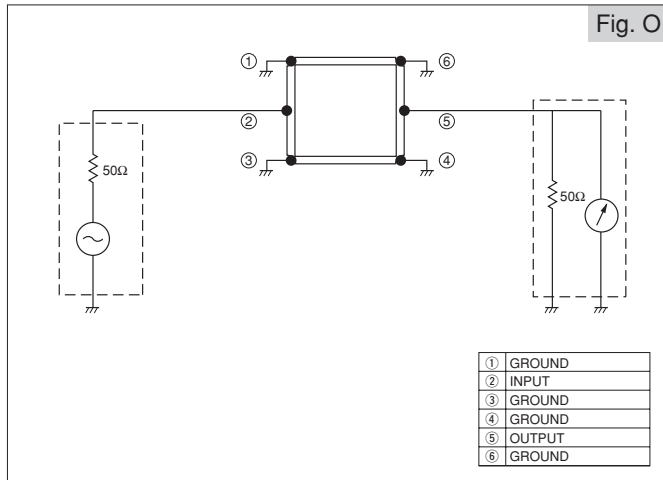


Pass Band Characteristics

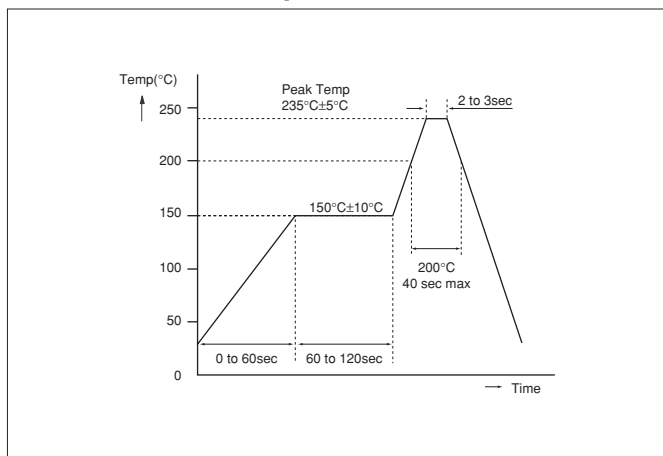


Spurious Characteristics

Test Circuit

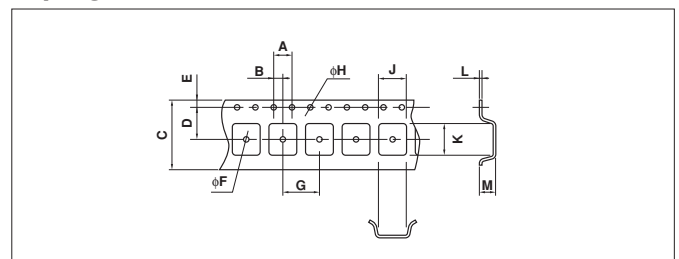


Recommended Temperature Profile IR Reflow



Taping Dimensions

(Unit : mm)



Code	A	B	C	D	F	G	H	J	K	L	M
Dimensions1	4.0	2.0	12.0	5.5	1.55	8.0	1.55	3.3	3.3	0.3	1.85
Dimensions2	4.0	2.0	12.0	5.5	1.55	8.0	1.55	4.0	4.0	0.3	1.40
Dimensions3	4.0	2.0	12.0	5.5	1.10	4.0	1.55	2.4	2.9	0.3	1.20
Dimensions4	4.0	2.0	8.0	3.5	1.10	4.0	1.50	1.7	1.8	0.25	0.85