

RoHS Compliant

## Features

- Small size
- Low insertion loss
- High selectivity
- Hermetic seal

## Application

- GPS

## How to Order

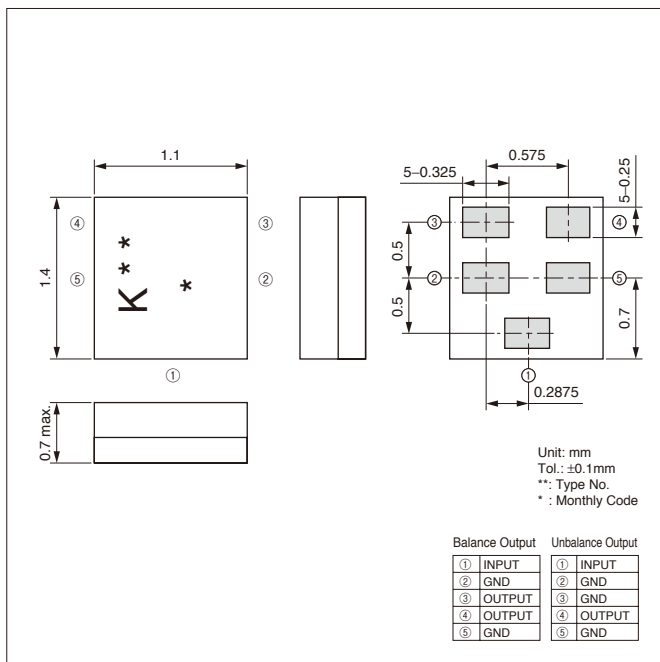
SF 14 - 1575 M 5 UB 31  
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type of Product (SAW Filter)
- ② Package Size
- ③ Nominal Center Frequency
- ④ Spec.
- ⑤ Number of Terminals
- ⑥ Input/ Output
- ⑦ Custom Specification

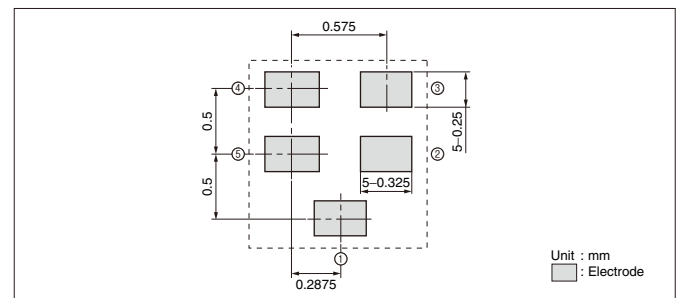
## Specifications

Part No.	Output	Application	Pass Band Frequency	Insertion Loss (dB)	Pass Band Variation (dB)	VSWR	Absolute Rejection (dB)						Operating Temperature	Storage Temperature
							810MHz	1429MHz	1501MHz	1920MHz	1980MHz	2400MHz		
SF14-1575M5UB31	Balance	GPS Rx	1574.42MHz - 1576.42MHz	1.6 max.	1.0 max.	1.6 max.	810MHz 960MHz 50 min.	1429MHz 1453MHz 35 min.	1501MHz 1525MHz 27 min.	1920MHz 1980MHz 41 min.	1980MHz 2400MHz 29 min.	2400MHz 2500MHz 46 min.	-30 +85°C	-40 +85°C
SF14-1575M5UB32		GPS Rx	1574.42MHz - 1576.42MHz	2.0 max.	1.0 max.	1.8 max.	810MHz 960MHz 50 min.	1429MHz 1453MHz 35 min.	1501MHz 1525MHz 30 min.	1920MHz 1980MHz 23 min.	1980MHz 5000MHz 50 min.	2500MHz 35 min.		
SF14-1575F5UUA1	Unbalance	GPS Rx	1573.92MHz - 1576.92MHz	1.4 max.	0.6 max.	1.7 max.	843MHz 925MHz 40 min.	1429MHz 1501MHz 38 min.	1501MHz 1525MHz 30 min.	1920MHz 1980MHz 40 min.	1980MHz 2500MHz 40 min.	2500MHz 3000MHz 35 min.		
SF14-1575F5UUC1		GPS Rx	1574.42MHz - 1576.42MHz	0.8 max.	0.6 max.	1.8 max.	824MHz 960MHz 20 min.	1500MHz 1525MHz 20 min.	1625MHz 1650MHz 20 min.	1710MHz 2170MHz 20 min.	— — —	— — —		

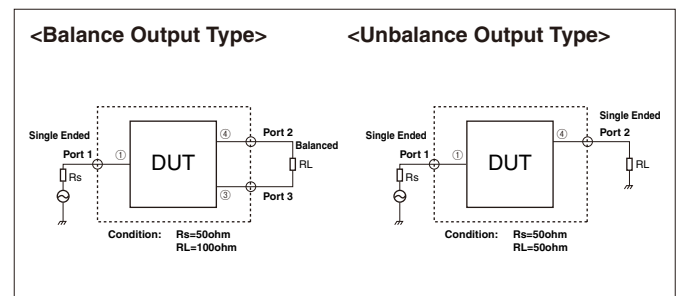
## Dimensions



## Recommended Land Pattern

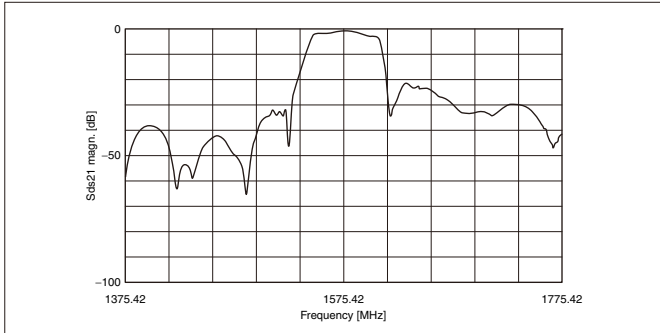


## Test Circuit

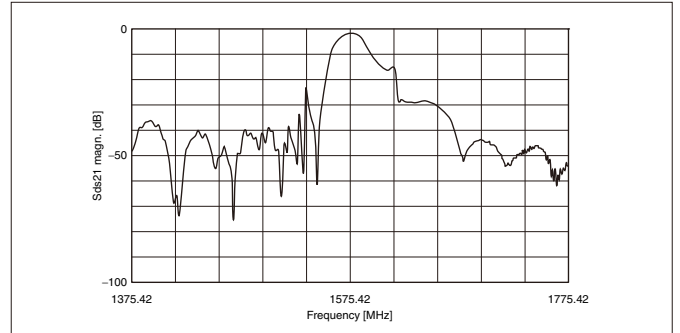


## Characteristics

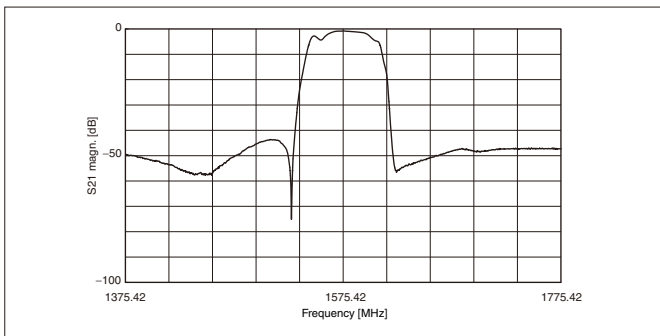
Part No.: SF14-1575M5UB31



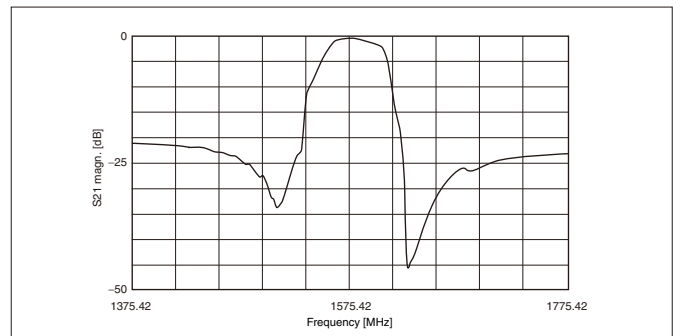
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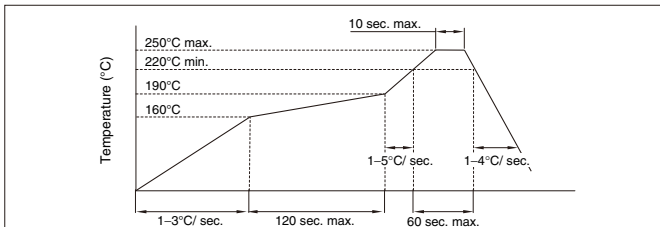
Part No.: SF14-1575F5UUA1



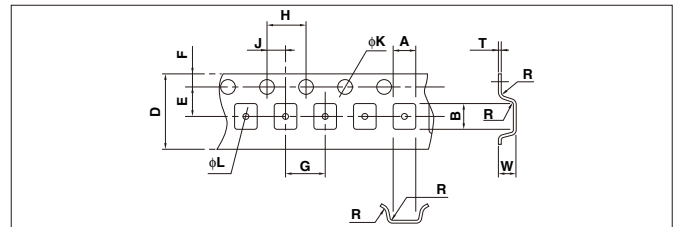
Part No.: SF14-1575F5UUC1



## Recommended Reflow Profile



## Taping Dimensions



Part	A	B	D	E	F
Dimension	1.4±0.1	1.7±0.1	8.0±0.2	3.5±0.05	1.75±0.1
Part	G	H	J	K	L
Dimension	4.0±0.1	4.0±0.1	2.0±0.05	1.5±0.1	0.5±0.05
Part	R	W	T		
Dimension	0.3 max.	0.8±0.1	0.2±0.05		

(Unit: mm)