

MAXIMUM RATING

- Input Power Level: 10 dBm
- DC Voltage : +/-5 V
- Operating Temperature: -40 °C to +85 °C
- Storage Temperature: -40 °C to +85 °C
- Moisture Sensitive Level: Level 1 (MSL1)
- ESD: 100 V(MM), 200V(HBM)
- AEC-Q200 Qualified

ELECTRICAL CHARACTERISTICS

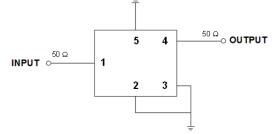
Terminating source impedance: Zs=50 Ω

Terminating load impedance: $Z_L=50 \Omega$

Parameters Description			Min.	Тур.	Max.			
Center Frequency	Fc	MHz	-	707.5	-			
Insertion Loss (699~716 MHz)	IL	dB <mark>(*1)</mark>	-	1.6	2.5			
Amplitude Ripple (699~716 MHz)		dB	-	0.6	1.7			
VSWR (699~716 MHz)		-	-	1.7	2.1			
Attenuation (Reference level from 0 dB)								
1 ~ 692 MHz		dB	18	37	-			
729 ~ 746 MHz		dB	13	23	-			
1386 ~ 1442 MHz		dB	40	47				
1574.42 ~ 1576.42 MHz		dB	38	46	-			
2084 ~ 2158 MHz		dB	30	42	-			
2782 ~ 2874 MHz		dB	25	39	-			

(*1) Specification of insertion loss excludes loss that comes from the test board.

MEASUREMENT CIRCUIT



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

- 1. The design, manufacturing process, and specifications of this device are subject to change.
- 2. US or International patents may apply.
 - 3. RoHS compliant from the first date of manufacture.

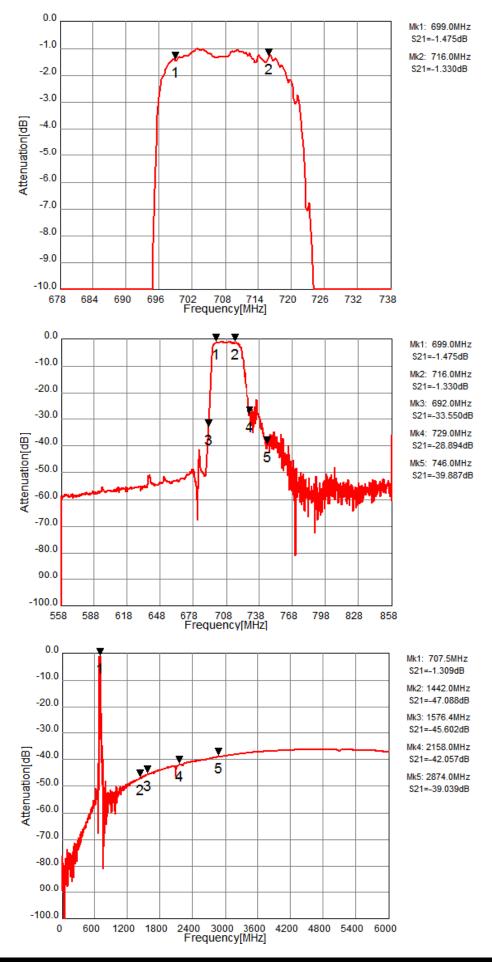


RoHS compliant



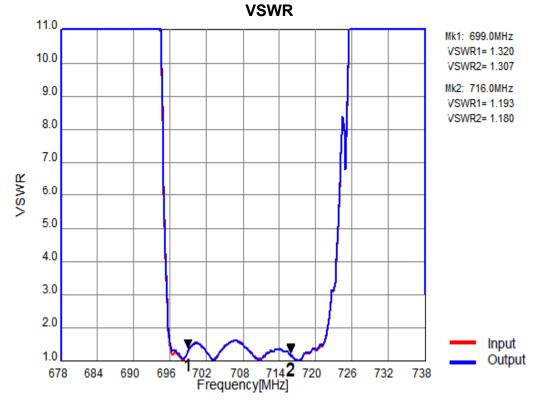


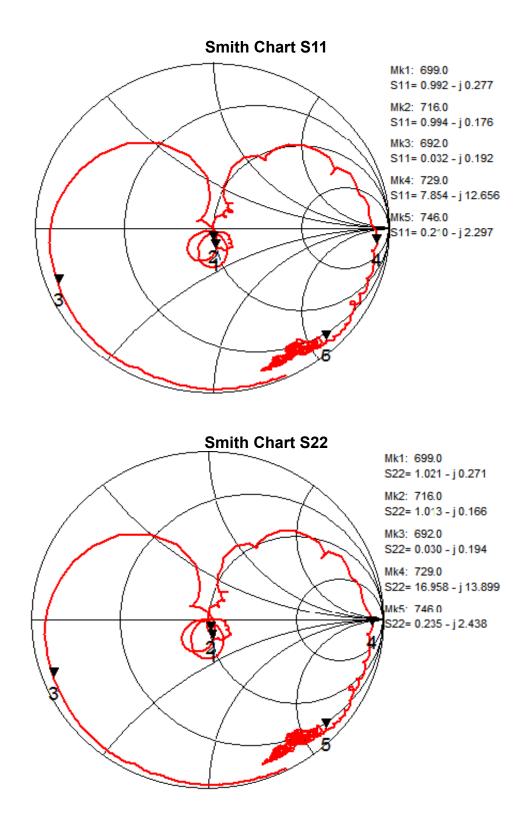
FREQUENCY CHARATERISTIC



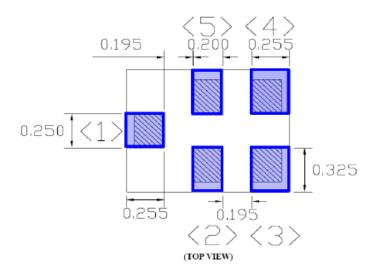
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Reflection Functions:

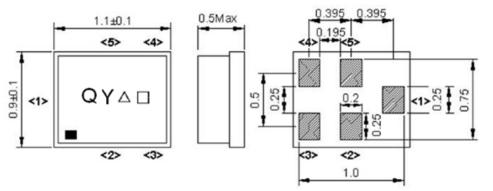




PCB Footprint



OUTLINE DRAWING



Not Specified Tolerance : +/-0.1 mm

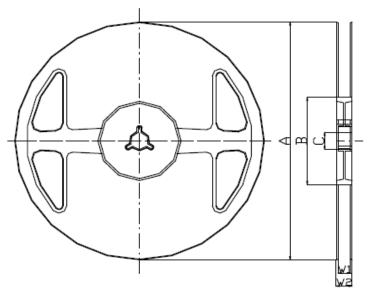
Date C	Date Code											
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2017	А	Ν	С	D	E	F	G	Н	J	К	L	М
2018	Ν	Р	Q	R	S	Т	U	V	W	Х	Y	Z
2019	а	b	С	d	е	f	g	h	j	k	Ι	m
2020	n	р	q	r	S	t	u	v	w	х	у	Z

Pin Configuration

Pin No.	Symbol	Function
1	IN	Unbalanced pin
2	GND	Ground
3	GND	Ground
4	OUT	Unbalanced pin
5	GND	Ground

PACKING

REEL DIMENSION



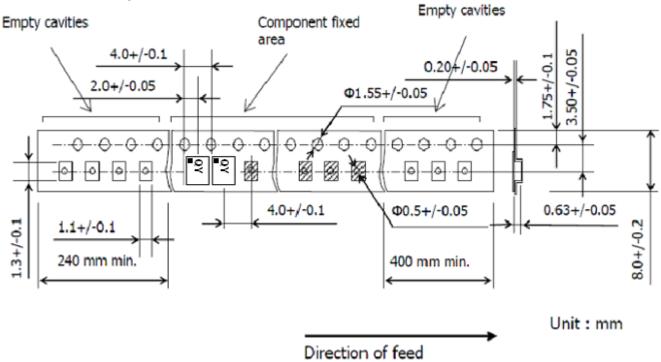
Materials of Reel

Material : Polvstvrene + Carbon Color : Black Surface resistance (reference value) : $10^{9}\Omega/sq$ Max.

Unit : mm

Code	Quantity	А	В	С	W1	W2
J	5,000 pcs	φ 180.0 + 0.0/-1.5	¢ 66.0 +/-0.5	¢ 13.0 +/-0.2	9.0 +1.0/-0.0	11.4 +/-1.0

TAPE DIMENSION



Recommended Reflow Profile

- 1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
- 2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
- 3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec).
- 4. Time: 2 times.

