



MAXIMUM RATING:

- Maximum Input Power: 10 dBm
- Operating Temperature: -40 °C to +85 °C
- Storage Temperature Range: -40 °C to +85 °C
- Moisture Sensitive Level: Level 3(MSL 3)
- ESD 100V(MM) 200V(HBM)

ELECTRICAL CHARACTERISTICS

Terminating source impedance: $Zs = 50 \Omega$ (Single)

Terminating load impedance: $Z_{L} = 100 \Omega$ (Balance)

Item	Unit	Min.	Тур.	Max.	
Center Frequency	MHz	-	942.5	-	
Insertion Loss (925 ~ 960 MHz)	dB	-	1.9	3.3	
Insertion Loss (927.4 ~ 957.6 MHz)	dB	-	2.0	2.8	
Amplitude Ripple (925 ~ 960 MHz)	dB _{p-p}	-	0.8	1.9	
VSWR (925 ~ 960 MHz)	-	-	1.8	2.4	
Amplitude Balance (925 ~ 960 MHz)	dB	-1.2	-0.3/+0.4	+1.2	
Phase Balance (925 ~ 960 MHz)	deg	-10	-1.5/+3.4	+10	
Attenuation (Reference level from 0 dB)					
DC ~ 880 MHz	dB	50	65	-	
880 ~ 915 MHz	dB	5	56	-	
882.4 ~ 912.6 MHz	dB	50	56	-	
980 ~ 1025 MHz	dB	23	32	-	
1025 ~ 2880 MHz	dB	35	56	-	
2880 ~ 6000 MHz	dB	30	44	-	

MEASUREMENT CIRCUIT:







CAUTION: Electrostatic Sensitive Device. Observe precautions for handling. \checkmark NOTES:

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

OUTLINE DRAWING:





Marking Descriptions					
(X)	Series Number				
	Date Code(Year+Month)				

Pin Description						
B, E	Ground					
А	Input					
C,D	Balanced Output					

Dare Code(Year+Month)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	Α	В	С	D	E	F	G	Н	J	ĸ	L	Μ
2014	N	P	Q	R	S	Т	U	V	W	X	Y	Z
2015	а	b	С	d	e	f	g	h	j	k		m
2016	n	р	q	r	S	t	u	v	w	X	У	z
2017	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	<u>P</u>	Q	<u>R</u>	<u>S</u>	T	U	<u>v</u>	W	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	а	b	C	d	e	f	g	h	j	k		m
2020	<u>n</u>	<u>q</u>	q	<u>r</u>	S	<u>t</u>	u	<u>v</u>	w	<u>x</u>	V	<u>Z</u>

PCB Footprint:



EFREQUENCY CHARACTERISTICS:



Frequency Response







Stop 1.09 GHz Sim PEat Cor)

IFBW 15 kHz





Phase balance

Reel Count: 7" = 3000 13" = 10,000



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.

