

Product Information

Control No. : ARP-4911400-B1

Issued on February 10, 2020

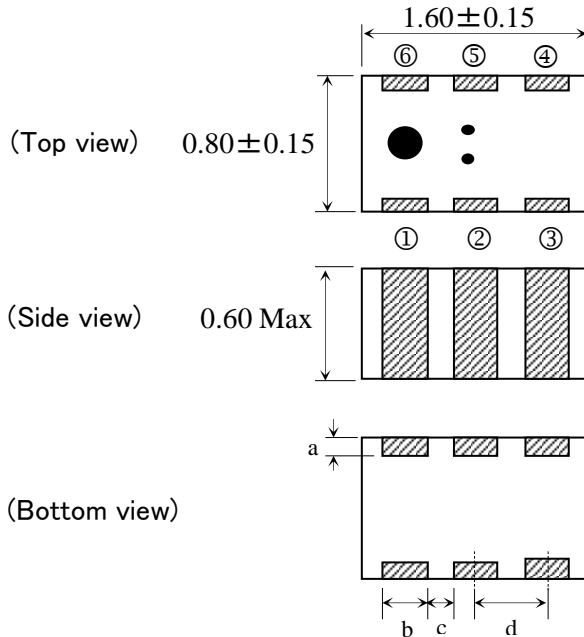
Application : Diplexer for 2400-2500MHz / 5150-5950MHz

1. Type No.
HMD9114E-T

RoHS Compliant Part

2. Dimension (Unit : mm)

AEC-Q200 Compliant Part



Terminal	
①	GND
②	Common
③	GND
④	Band2(Lo)
⑤	GND
⑥	Band1(Hi)

Terminal Dimensions	
a	0.15 Typ.
b	0.30 +/- 0.10
c	0.20 +/- 0.10
d	0.50 +/- 0.10

3. Electrical characteristics (at 25degC.)

Band1 operation

Parameter	Specification	Typical	Unit	Remark
fc (Center frequency)	5400	-	MHz	
Pass band frequency	4900-5900	-	MHz	
Nominal impedance	50	-	ohm	
Insertion Loss	0.7 Max.	0.55	dB	
Common port return loss in BW	10 Min.	13.6	dB	
Attenuation (MHz)	at 2400 - 2500	30 Min.	43.8	dB

Band2 operation

Parameter	Specification	Typical	Unit	Remark
fc (Center frequency)	2450	-	MHz	
Pass band frequency	2400-2500	-	MHz	
Nominal impedance	50	-	ohm	
Insertion Loss	0.6 Max.	0.46	dB	
Common port return loss in BW	10 Min.	17.9	dB	
Attenuation (MHz)	at 4900 - 5900	30 Min.	32.3	dB

4. Note

- 4.1 Operating Temperature Range : -40 to +125 deg.C
- 4.2 Storage Temperature Range before soldering in taping package : -20 to +35 deg.C
- 4.3 Standard Reel Quantity : 3,000 pcs (per reel, per bag)

Approved by	Confirmed by	Raised by
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SOSHIN ELECTRIC CO., LTD

Product Information

Control No. : ARP-4911500-B2

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Measured data

5.Representative characteristics

