

Product Information

Control No. : ARP-4711100-O1

Issued on December 12, 2019

Application : BPF for V2X (5850 - 5925MHz)

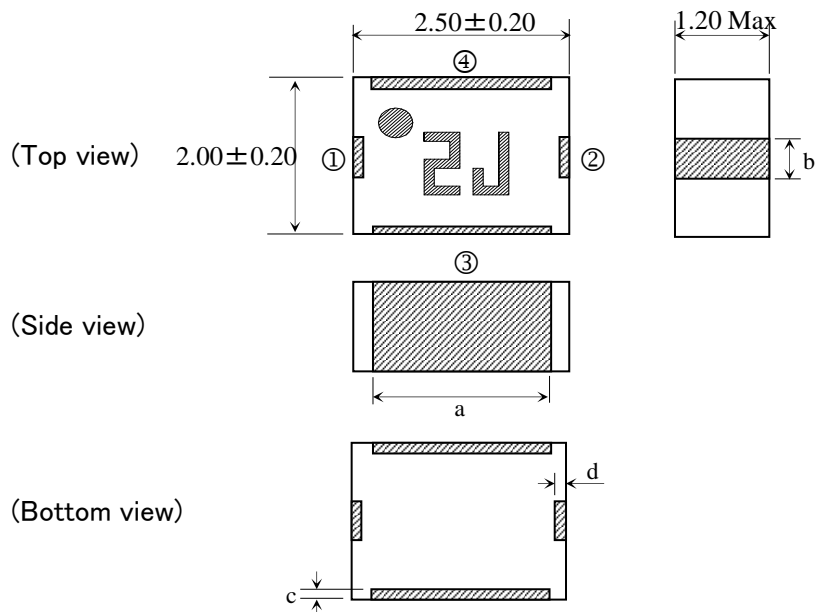
1. Type No.

HMD7111M-T

RoHS Compliant Part

AEC-Q200 Compliant Part

2. Dimension (Unit : mm)



Terminal	
①	Input
②	Output
③	GND
④	GND

Terminal Dimensions	
a	2.10±0.20
b	0.50±0.20
c	0.15 Typ.
d	0.15 Typ.

3. Electrical characteristics

Parameters	Specification	Typical	Unit	Remark
Pass band frequency	5850-5925	-	MHz	
Nominal Impedance	50	-	ohm	
Insertion loss at 25degC.	at 5850 MHz - 5855 MHz	1.1 Max	0.87	dB
	at 5855 MHz - 5925 MHz	1.0 Max	0.87	dB
Insertion loss at -40to +125degC.	at 5850 MHz - 5855 MHz	1.45 Max	-	dB
	at 5855 MHz - 5925 MHz	1.4 Max	-	dB
V.S.W.R.	at 5850 MHz - 5925 MHz	1.67 Max	1.14	-
Attenuation at 25degC.	at 2.5 MHz - 125 MHz	45.0 Min	54.1	dB
	at 2000 MHz - 5300 MHz	30.0 Min	33.3	dB
	at 6300 MHz - 6500 MHz	3.0 Min	6.32	dB
	at 6500 MHz - 10000 MHz	6.0 Min	11.9	dB
	at 11700 MHz - 11850 MHz	20.0 Min.	33.9	dB

4. Note

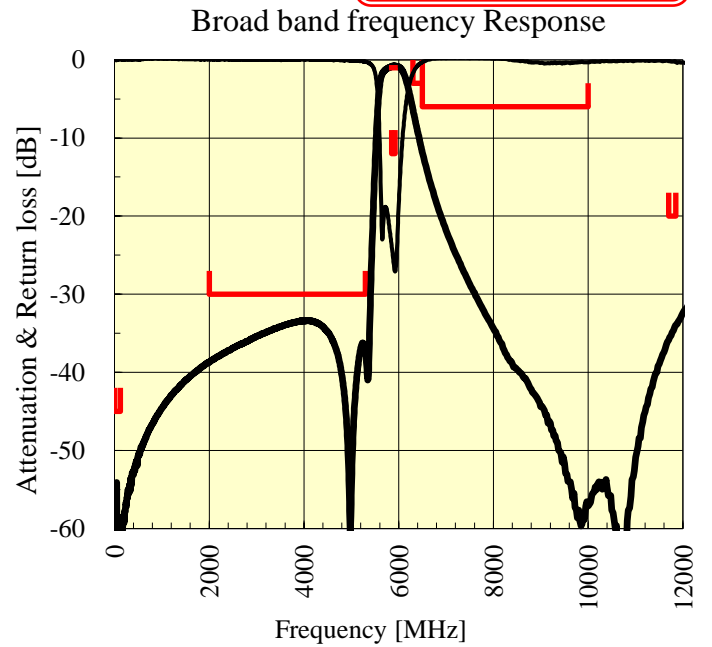
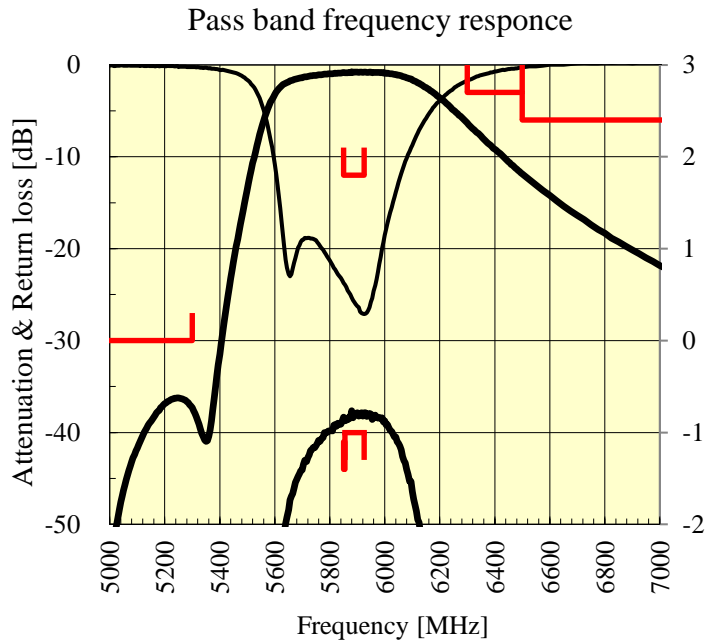
- 4.1 Operating Temperature Range : -40 to +125 deg.C
 4.2 Storage Temperature Range before soldering in taping package : -20 to +35 deg.C
 4.3 Max input power (Avg/CW) : 2W
 4.4 Standard Reel Quantity : 2,000 pcs (per reel, per bag)

Approved by	Confirmed by	Raised by
Y. Mizutani	T. Hasegawa	S. Suzuki

SOSHIN ELECTRIC CO., LTD.

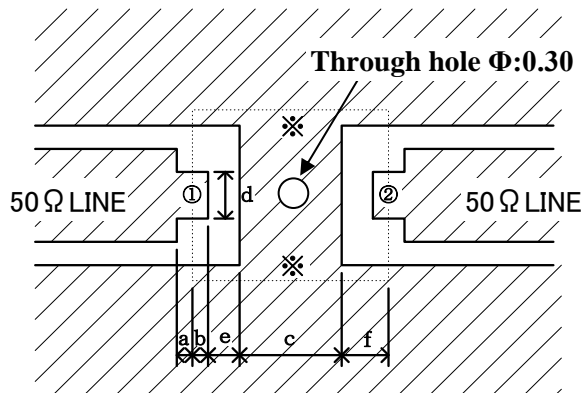
5. Representative characteristics

Measured data

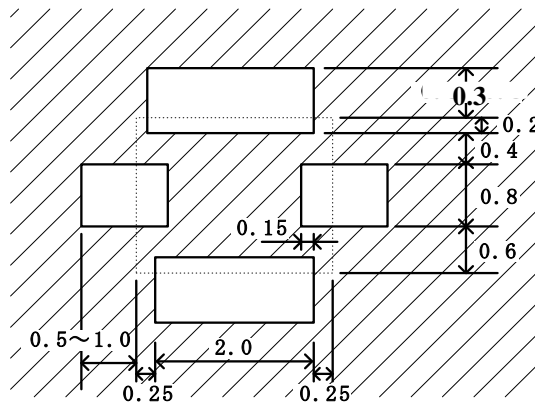


6. Recommended Land Pattern

*Land Pattern



*Resist Pattern



Terminal	
①	Input
②	Output
※	GND

a = 0.2
 b = 0.2
 c = 1.3
 d = 0.6
 e = 0.4
 f = 0.6
 (Unit : mm)