

Product Information

Control No. : ARP-4171800-F 1

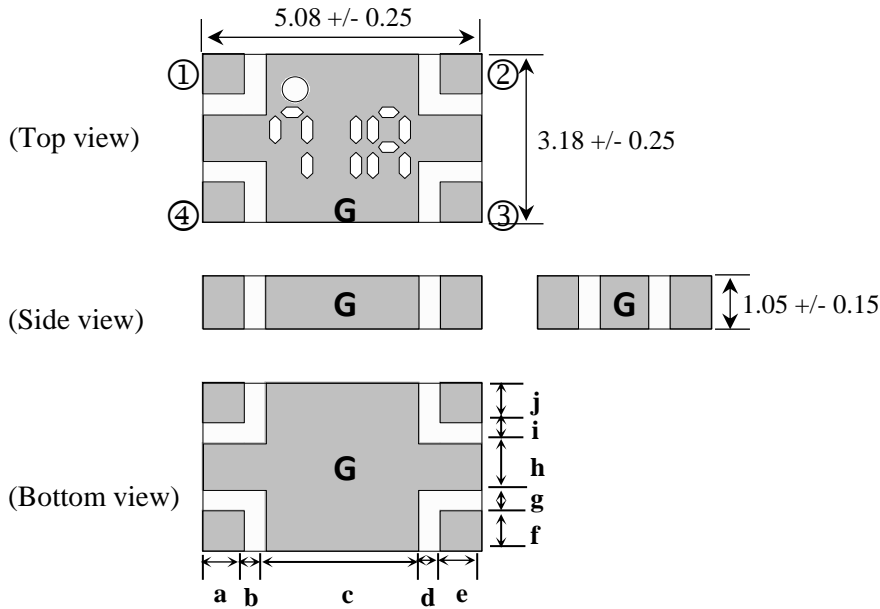
Issued on August 17, 2023

1. Type No.

HMD1718A-02M3500

RoHS Compliant Part

2. Dimension (Unit : mm)



Terminal	
①	IN
②	ISOLATION
③	OUT(90deg)
④	OUT(0deg)
G	GND

Terminal Dimensions	
a	0.76 +/- 0.20
b	0.38 +/- 0.20
c	2.80 +/- 0.20
d	0.38 +/- 0.20
e	0.76 +/- 0.20
f	0.77 +/- 0.20
g	0.38 +/- 0.20
h	0.89 +/- 0.20
i	0.38 +/- 0.20
j	0.77 +/- 0.20

3. Electrical characteristics

Parameter		Band1	Band1	Unit	Remark
Pass band frequency	Specification	3300-3800	3300-4200	MHz	
Nominal impedance	Specification	50	50	ohm	
Directivity	Specification	21 Min.	16 Min.	dB	
	Typical	25.12	25.12		
Insertion Loss at 25degC.	Specification	0.20 Max.	0.35 Max.	dB	
	Typical	0.17	0.21		
Input port VSWR	Specification	1.15 Max.	1.25 Max.	dB	
	Typical	1.11	1.11		
Mean Coupling	Specification	1.9 +/- 0.15	2.0 +/- 0.2	dB	
	Typical	1.92	1.99		
Phase balance	Specification	90 +/- 4	90 +/- 5	deg	
	Typical	90.7	91.4		
Group Delay Terminal 1-4	Specification	0.10 +/- 0.01	0.10 +/- 0.03	nsec	
	Typical	0.095 - 0.098	0.095 - 0.1		

4. Note

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|---------------------------------|--|
| 4.1 Operating Temperature Range | : -55 to +125 degC. |
| 4.2 Storage Temperature Range | : -20 to +35 degC. (In a Taping Package) |
| 4.3 Max Input Power | : 60W Avg/CW at 105degC.
: 25W Avg/CW at 125degC. |
| 4.4 Standard Reel Quantity | : 1,000 pcs (per reel, per bag) |

Approved by	Confirmed by	Raised by
Y. Imai	S.Suzuki	H.Isono

SOSHIN ELECTRIC CO., LTD

5.Representative characteristics

Measured data

