

Tentative Specification (Preliminary)

Control No. : ARP-481500 C

Established on Aug 20, 2013

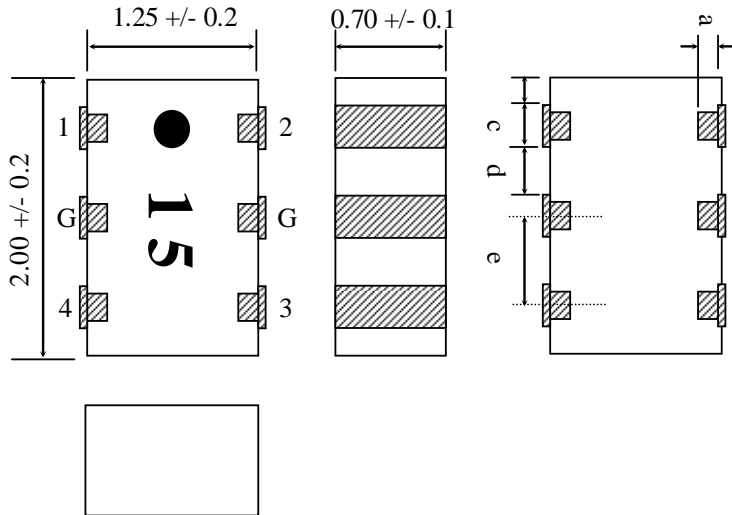
1. 1850MHz Band 90deg Chip Hybrid Coupler

TYPE No: HMD815D

RoHS correspondence article

2. Appearance and Construction

2.1 Dimension (Unit: mm)



Terminal	
1	IN
2	0 deg OUT
3	90 deg OUT
4	Isolation
G	GND

Terminal Dimensions	
a	0.15typ.
b	0.20typ.
c	0.30 +/- 0.15
d	0.35 +/- 0.15
e	0.65 +/- 0.15

2.2 Body ... Ceramics

2.3 Terminal ... Ni+Sn plating

2.4 Marking ... Abbreviation of Model No. is printed

3. Absolute Maximum Ratings

3.1 Input Power (W Avg/CW Ta=25degC) : 3

3.2 Operating Temperature (degC) : -40 ~ 105

3.3 Storage Temperature (degC) : -40 ~ 85

(-20 ~ 35degC for tape and reel materials)

4. Target Electrical Characteristics (-40~105degC)

Item	Target Specifications
4.1 Nominal Impedance (Ohm)	50
4.2 Frequency Range (MHz)	1700 ~ 2000
4.3 Insertion Loss (dB MAX)	0.4 (TYP. 0.3)
4.4 Amplitude Level Balance (dB MAX)	1.0
4.5 Phase Balance (deg)	90+/-5
4.6 V.S.W.R (MAX)	1.2
4.7 Isolation (dB MIN)	24

5. Note

5.1 Number of pieces ordered

At least 2,000 pieces must be ordered for serial production.

*Specifications of products are subject to change without notice