

Power Splitter/Combiner

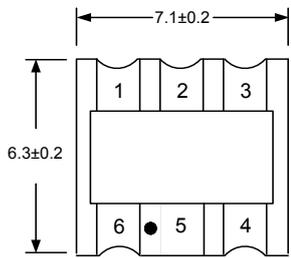
AW7F-617DS-0024-B331



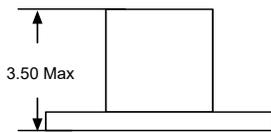
75Ω 2 Way-0° Power Divider

5-1250MHz

Outline Drawing(mm)

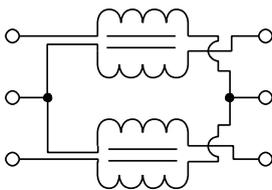


Top View

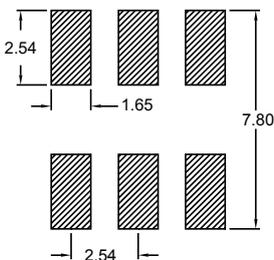


Electrical structure

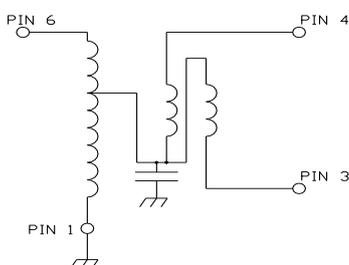
Fig K



Recommended layout(mm)



Electrical schematic



Pin Connections

SUM PORT	6
PORT 1	3
PORT 2	4
GROUND	1
Not connected (ground)	2,5

Features

- ◆ DC current: 30mA
- ◆ Power Input(as a splitter): 0.50W Max
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C

Applications

- ◆ For Docsis 3.0 & 3.1 Cable Modem.
- ◆ For Wideband Push-pull Amplifiers.
- ◆ For CATV Amplifiers Module & Set top box.
- ◆ For CATV Optical Receivers and Amplifiers.
- ◆ For VHF/UHF Transmitters and Push-pull Amplifiers.



Electrical Specifications: TA=25

0dBm, Z0=75Ω:

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-1250MHz	dB	—	0.4	1.2
Main line Loss(out2)	5-1250MHz	dB	—	0.7	1.7
Input Return Loss	5-1250MHz	dB	18.0	32.0	
Output 1 Return Loss	5-1250MHz	dB	16.0	30.0	
Output 2 Return Loss	5-1250MHz	dB	16.0	28.0	
Isolation	5-1250MHz	dB	16.0	35.0	

