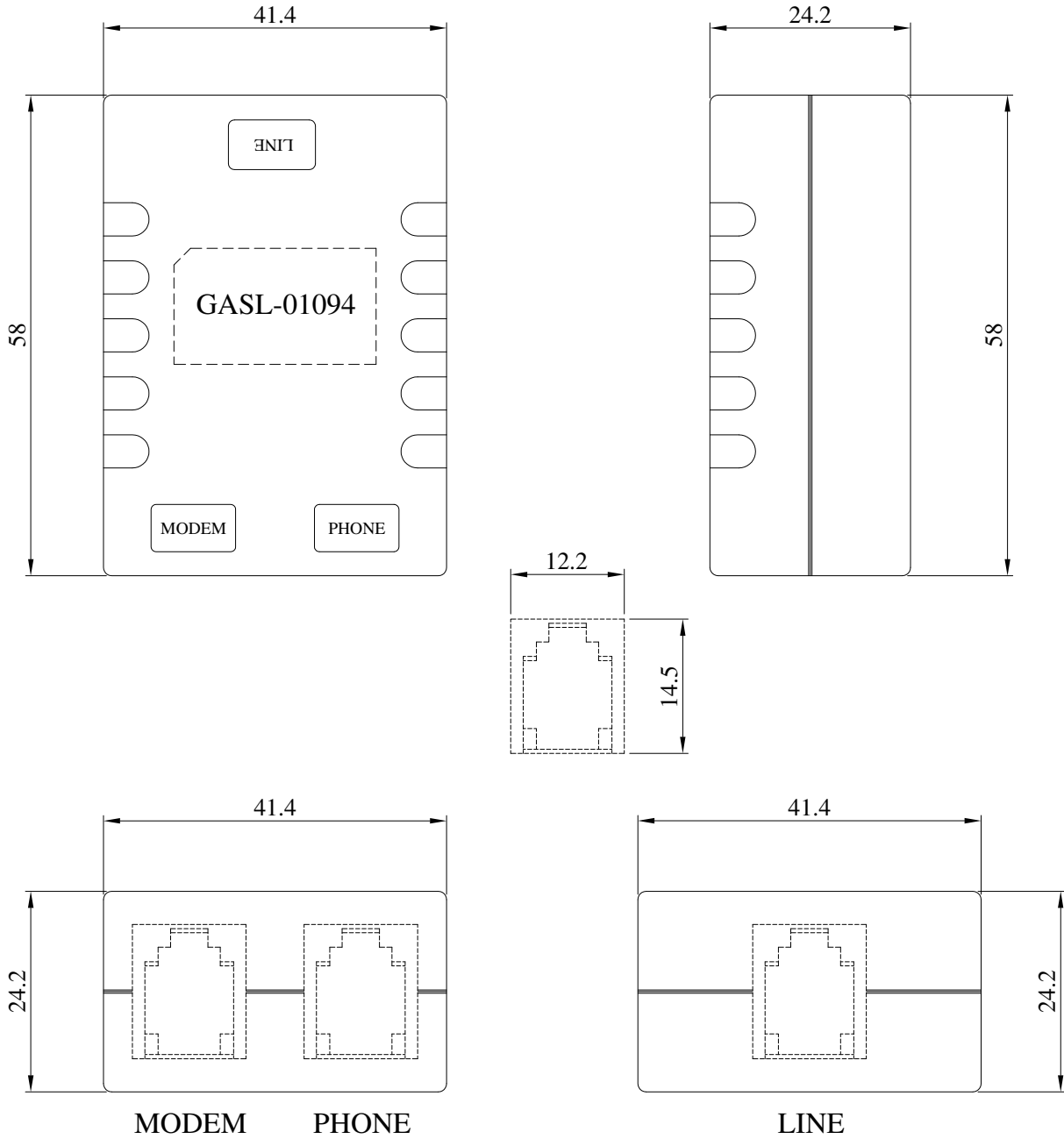


SPECIFICATION FOR APPROVAL

| | | | |
|-------------------|---------------|------|---|
| Product Name | ADSL SPLITTER | Page | 1 |
| Tai-Tech Part No. | GASL-01094 | | |

1. CONFIGURATION & DIMENSIONS :



ALL TOLERANCE : $\pm 0.25mm$

NOTE : Specifications subject to change without notice. Please check our website for latest information.



RoHS Compliant

27.03.2007

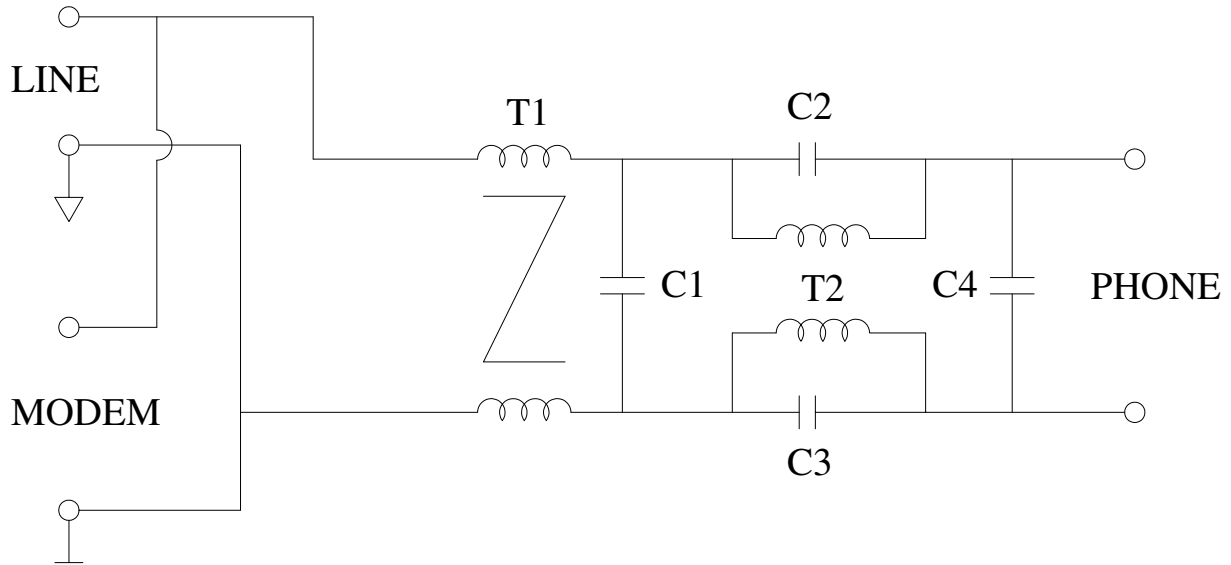


TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD

SPECIFICATION FOR APPROVAL

| | | | |
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| Product Name | ADSL SPLITTER | Page | 2 |
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2. SCHEMATIC :



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SPECIFICATION FOR APPROVAL

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| Product Name | ADSL SPLITTER | Page | 3 |
| Tai-Tech Part No. | GASL-01094 | | |

3. ELECTRICAL CHARACTERISTICS :

| ITEM | PARAMETER | SYMBOLS AND CONDITIONS | RESULT OF RANGE | TEST INSTRUMENTS |
|------|--|---|--|---------------------------|
| 1. | DCR (5,4,1) | LINE AT 1. PHONE SHORT 2. PHONE OPEN | 25Ω MAX. 5MΩ MIN. | FLUKE 8050 |
| 2. | RETURN LOSS (5,4,2) | LINE AT PHONE INTO 600Ω LOAD (ZT1) 1. 300Hz 2. 500Hz & 2KHz 3. 3.4KHz | $RL=20\log \left \frac{Z+600}{Z-600} \right $ RL=14dB MIN. Z=401 - 899Ω RL=18dB MIN. Z=466 - 772Ω RL=14dB MIN. Z=401 - 899Ω | ANRITSU MS4603A |
| 3. | LONGITUDINAL BALANCE (5,4,3) | PHONE AT PHONE INTO 600Ω LOAD (ZT1) 1. 200Hz - 1KHz 2. 3KHz | INPUT LINE GROUND 58dB MIN. 53dB MIN. | GW GAG-808A GVT-427 |
| 4. | FREQUENCY RESPONSE LOSS (5,4,4) | PHONE AT PHONE INTO 600Ω LOAD (ZT1) 1. 1.020KHz REF. 10dBm (0.245V) 300-304KHz | ±1dB | GW GAG-808A GVT-427 |
| 5. | DELAY DISTORTION (5,4,5) | PHONE AT PHONE INTO 600Ω LOAD (ZT1) -10dBm REF. (0.245V) 600-3.2KHz | 200mS MAX. | ANRITSU MS 4063.A |



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TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD

SPECIFICATION FOR APPROVAL

| | | | |
|-------------------|---------------|------|---|
| Product Name | ADSL SPLITTER | Page | 4 |
| Tai-Tech Part No. | GASL-01094 | | |

3. ELECTRICAL CHARACTERISTICS :

| ITEM | PARAMETER | SYMBOLS AND CONDITIONS | RESULT OF RANGE | TEST INSTRUMENTS |
|------|---------------------------|---|---|---------------------------|
| 6. | INSERTION LOSS (5,4,6) | PHONE AT PHONE INTO 600Ω LOAD (ZT1) -10dBm REF. (0.245V) 1020Hz | $IL = \left 10 \log \frac{P_o}{P_i} \right $ 1dB MAX. | GW GAG-808A GVT-427 |
| 7. | ADSL BAND ATTENUATION | PHONE AT PHONE INTO 600Ω LOAD (ZT1) 1. 30KHz-300KHz 2. 300KHz-1.104MHz 3. REF -dBm (0.245V) | 65dB MIN. 55dB MIN. | GW GAG-808A GVT-427 |



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