# RG-RSR20-X-52 Ò

F^ x Œ

copyright © 2024

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- z iHþ https://www.ruijie.com.cn
- z iHþ²ý

**2. ý**

**ož**

K(þÖ

CÇ¯

„ Ø67-Ë

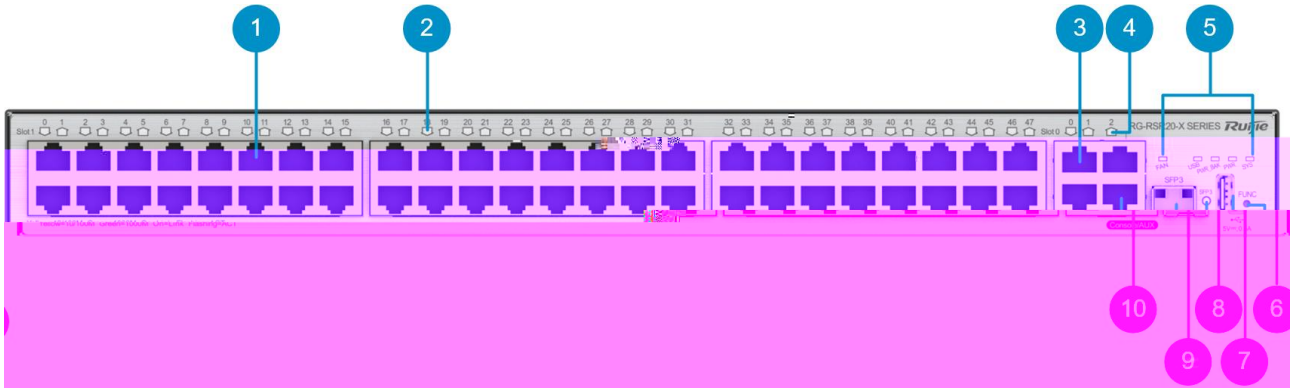
þ 1 4 Z HSIC QFOJÑ ¼ 1 Z DHSIC +eÅ Ë

1000M/100M/10M +e ,1 Z 1000M/100M SFP yÅ × Ë 1 Z FUNC



0 0 1 159.26 354.0 q0 G2n24E4MCCF0 0 1 994B5E>BD2B BD867TJA45F742ID 14MCCF0 0 1 994B5E3ID BE905EF11CE29E0C BT/F1 9 Tf1 0 0 1 3

Â




| | | |
|---|---|---|
| €Ü | 1Ö 48 Z 10M/100M/1000M ZÔ<br>Ä GE1/0~GE1/47 1Å<br>2Ö 48 ZZ(â7/j&<br>3Ö 3 Z 10/100/1000M 9rZ5•e<br>(GE0/0~GE0/2 1 )<br>4Ö 3 Z9rZ+e7/j&<br>5Ö jÖ FAN<br>(â7/j& USB Aî7(â7/j&<br>PWR_BAK 7+X+e(â7/j& PWR<br>•e(â7/j& SYS .8e+5F<br>[â7/j& | 6Ö FUNC Jï-9K^<br>7Ö USB Aî7 -<br>8Ö 1 Z SFP y7/j&<br>9Ö 1 Z SFP y<br>10Ö Console/AUX =+X |

Âe

| 7/j& | F |
|---|---|
| SYS | .85F[â7/j<br>5FeE<br>5/85F[•<br>5/8L5X<br>4(5[à× |
| PWR | e(â7/j<br>5/5Ë<br>5ÕË× |
| PWR_BAK | 7×e(â7/j<br>5/TZTZ(à×<br>TZ FTZ(à× |
| USB & | USB 1(â7/j<br>U -F USB A7×<br>5/8 U -F USB A7M(<br>5/8L USB (<br>4(8 U -F USB A7( |

| | |
|---|---|
| FAN ¾ | Nþ/(ãe7/j¾Ø<br>5/8hÑ9þ/hF\|×<br>4ÈhÐ NþvEE¢h × |
| SFP LINK/ACT 7/j¾ | SFP LINK/ACT 7/j¾ :<br>Link up×<br>100M Link up×<br>100M Link up ,D9¢PEÃ<br>1000 Link up×<br>1000M Link up |

RSR20-X-52 ëZ Console/AUX =+XÖ

„ Console/AUX Ö

| | |
|---|---|
| 77 | 77ò |
| Õö | EIA/TIA-RS232 |
| õ | RJ45 |

Á71_1 MDI/MDI-X 8F2X-5J54F1 MDI/MID-XÄ

LtÖ

- 7 -

1000BASE-T 1+X 4 )4FÞPEÑ08p9,´ 4 )4FÕA 1000BASE-T 1p+X¸5 4ïFÕ p/jÖ

1000BASE-T )5 4ïj?

| -5 4ï | | Õ4ï | |
|---|---|---|---|
| A7 A | A7 B | A7 A | A7 B |
| 1 MDIA + | 1 MDIB + | 1 MDIA + | 1 MDIA + |
| 2 MDIA - | 2 MDIB - | 2 MDIA - | 2 MDIA - |
| 3 MDIB + | 3 MDIA+ | 3 MDIB + | 3 MDIB + |
| 6 MDIB - | 6 MDIA - | 6 MDIB - | 6 MDIB - |
| 4 MDIC + | 4 MDID+ | 4 MDIC + | 4 MDIC + |
| 5 MDIC - | 5 MDID- | 5 MDIC - | 5 MDIC - |
| [redacted] | )IC+ | 7 MDID + | 7 MDID + |
| 8 MDID - | 8 MDIC- | 8 MDID - | 8 MDID - |

100BASE-TX/10BASE-T E7Jÿ

| Pin | MDI Q? | MDI-X Q? |
|---|---|---|
| 1 | Output Transmit Data+ | |

| | |
|---|---|
| | 62.5/125um J Qy4Q0WPEÐ/ë 550m× |
| | 50/125um J Qy4Q0WPEÐ/ë 550m× |
| | 9/125um .Qy4Q0WPEÐ/ë 10Km× |
| | 1000BASE-LHÆ 1310nmÈ |
| | 9/125um .Qy4Q0WPEÐ/ë 40Km× |
| | 1000BASE-ZXÆ 1550nmÈ |
| | 9/125um .Qy4Q0WPEÐ/ë 50Km ¼ 80Km T/ý |
| | FE-SFP-LX-MM1310: Æ 1310nmÈ |
| | 50/125um J Qy4Q0WPEÐ/ë 2km× |
| | FE-SFP-LH15-SM1310: Æ 1310nmÈ |
| | 9/125um .Qy4Q0WPEÐ/ë j 15km; |

## 1.2.4 Ê USB L

### ±Ce

USB (à7/jØ

FUNC

HSIC-2HS ŽV

HS _ł,95YŽV²Ö

| AÞ | _1 V.35 ÀÈ568Ø |
|---|---|
| FO)· | ł,_1 9600-8192000 bps |
| 7/jž | 3 Z<br>2 Z1 Link/ACT (1e LED 7/jž (*ºK.D*0ÐÕ:r,ÁÞ UP ž<br>L&<br>1 Z4ï RDY (1e LED 7/jžØ |
| Õ | DB26 |
| )ž7 | )žÖ 0 45×<br>)ž 5Á 95Á<br>)žÖ ±40 70Ä |
| EMC | EMIÖ GB/T 9254.1-2021 ClassA |
| | EMSÖ GB/T 17618-2015 |

ž

**F9G5¼56Ö**

„ V.35DTE 456

„ V.35DCE 456

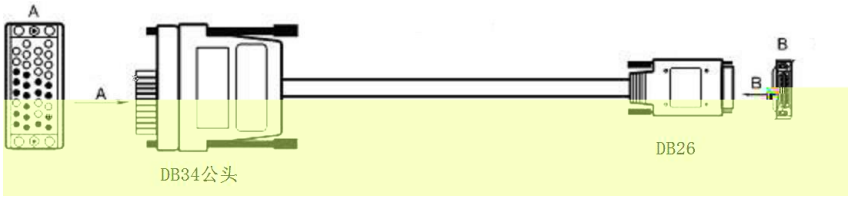
„ V.35DTE-V.35DCE 456

F/¼56,ĵ²Mþ/jÖ

## V.35DTE

**B456601_** DB34 ,dê1_ DB26 de Ä

V.35DTE 456




## V.35DCE

**B456601_** DB34 ,ĵê1_ DB26 de Ä

V.35DTE 456

| | | | | |
|---|---|---|---|---|
| OFL | *9JÞ | *9JÈ9<br>8Q EÈ | 3s :È<br>RDY Xg- | RDY 9JÞQ<br>ÑQÄ |

| | | |
|---|---|---|
| 2 | 4 | RX Tip |
| 4 | 1 | TX Tip |

### 1.3.3 HSIC-4G-LTE /L)

HSIC Ö HSIC-4G-LTE

Ø Ce

HSIC-4G-LTE F0

M7/j

| 7/j | hF |
|---|---|
| RDY | 5/4ï+eM<br>5/4ï+eM aCU |
| WWAN | 55( 5/8K @ 5/8 aCU |
| 4G | 4G J 4G = 5/8 4G = |
| 3G | 3G J 3G = 5/8 3G = |
| RSSI | 5/8K 5/8 F65' |

HSIC-4G-LTE = _1 OFL 9J 04 0 e 7- 4FA7k
jÄ

#### HSIC-4G-LTE J

#### p

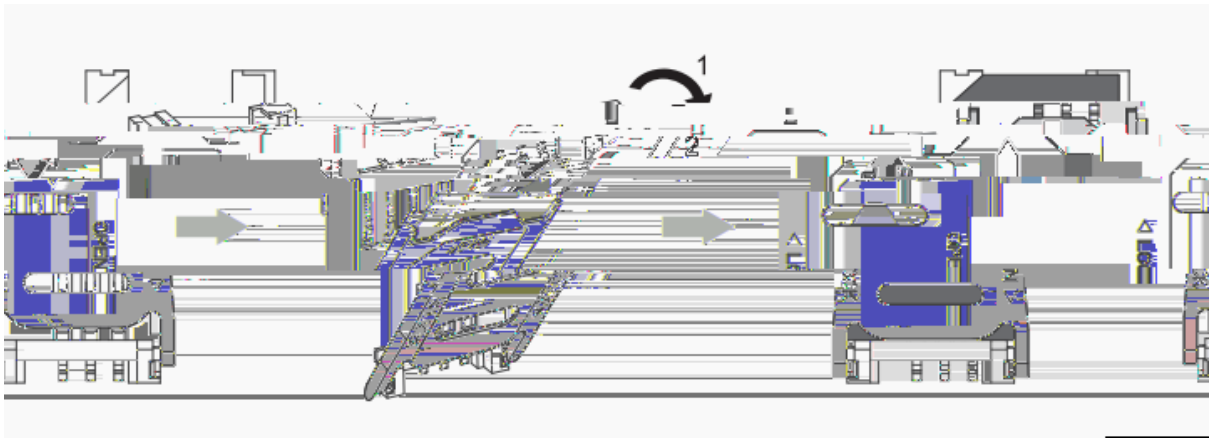
| 1 | 1 Z 4G |
|---|---|
| Õ | TZ SMA-J |
| 456 | 4G Y4ï |
| _1FO)· | 3 Q WF:Uv, G 4G/3G/2G w¯XÄ |
| F | J Ö 0 45 ×<br>J Ö ±40 - 70 Ä |
| 5 | J 5Á 95Á |
| EMC | EMIÖ GB/T 9254.1-2021 ClassA |
| | EMSÖ GB/T 17618-2015 |

#### SIM J

SIM ‘-jØ&Ž(wA OPEN 1ÝÀ§Ø(wŽ

(wAF 60 (ä SIM ÐÝÀ§Ø(wA LOCK Á§

»Ø(w7Aö SIM K1(7-WÄ SIM Ð¡p/jÄ




Ø

1 Z HSIC-4G-LTE Q¼M0 2 Y4Ì4M0)G€ 6.2 8² AÇ

+XgM0F5ÝY4¼F5ÝY4Õ ANT0È ANT1 !Ø

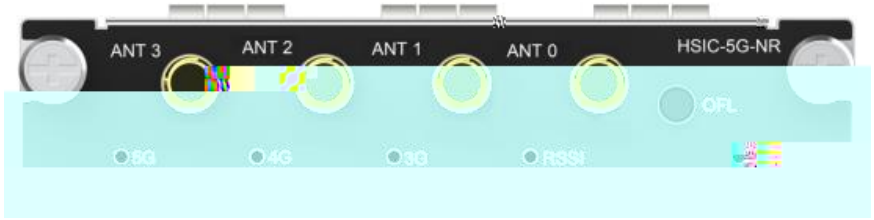
a ÑÂõãk(7 73F5¤4 6;A5¤4 e7¼k>

## 1.3.4 HSIC-5G-NR /L)

HSIC HSIC-5G-NR

Ø Ce

HSIC-5G-NR F




M7/j

| 7/j | hF |
|---|---|

| | | | | |
|---|---|---|---|---|
| RDY | 5/ | ,4ï+eMF | aCU | |
| RSSI | 5/8 | F65' | | |
| 5G | 5G J | 5G =Ñ/8 | 5G @Ê/8 | 5G K.D:9ž |
| 4G | 4G J | 4G =Ñ/8 | 4G @Ê/8 | 5G K.D:9ž |
| 3G | 3G J | 3G =Ñ/8 | 3G @Ê/8 | 5G K.D:9ž |

4 Z OFL *9J

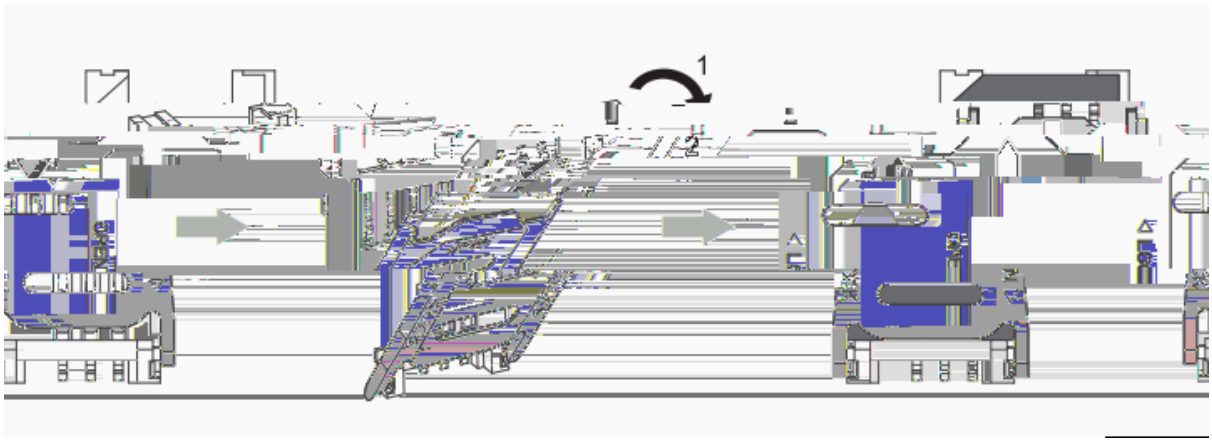
| | | |
|---|---|---|
| 7# | B$ | |
| | | K ¯9 3S >È1 y µ READY 65 Aî7 ƒ |
| | | %TPL4300U]TJETQ EMC /P MCID 4677 BDC 090.09 516 |
| OFL | *9JÞ | |

SIM ‘-j OPEN 1

(wAF 60 (

SIM K1(# 7-WË SIM

LOCK




1 Z HSIC-5G-NR 4 i Y4 6.2 8²

Y4 4 iY4 16CM

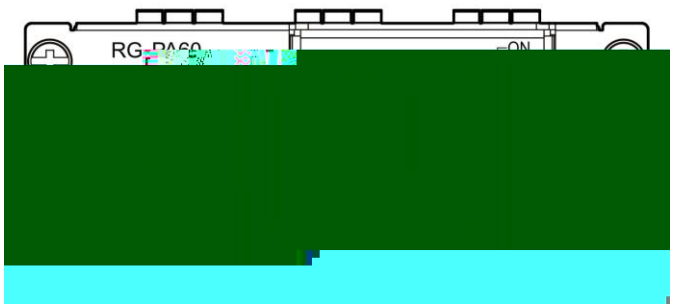
+XgM0 ANT0È ANT1È ANT2È ANT3

a

## 1.4

### 1.3.1 RG-PA60

RG-PA60 +



Ce

| 7/ | (Œe |
|---|---|
| M7/ RDY | 5/8Ö ñ eÀÃ ×<br>Ö eÀÃ65eÀÃ |

**Pê** }115.6 reWBT/F9 9 T15.6 reWBT408801 0 0 1 109.7 496.[ Tm0 [TETQEMC 1P #MCID 108>BDC q70.42 4

| eÀ | RG-PA60 |
|---|---|
| êÑÊ93$ | 100-240V~È 50-60Hz |
| êÕ93$ | 90~264V~È 50-60Hz |
| EÕW } | 60W |
| eÀ | 1 |
| e‰ | 1K Q |
| EÔ | 1 |
| Eê | 1 |
| eÀï | 10A eÀï |
| eÀ (W*H*D) | 98.2mm(í )*41mm(Q )*176 |

„ _1 TELNETÿÃ TELNET

„ _1 DHCP ServerÃ DHCP ClientÃ DHCP RelayÃ TFTP 1y

„ _17-È VRRP ÆÊMW

„ _1 PPPOE

„ _1

„ _1 AAA AÌLAÔñ È1 RADIUS

„ PPP AÎ PAP ¼

# 2

)ß× +OM%eÐ+a:,Ç+eDÄÈQJÐO55HÉ61FE0;Ð+a,MWWWL}-Ð
GÿX/Ä

jo,$0Ø2× ì93Ä

| )Ä=Ð%+gžÞ× ÐfÇ@ | 1.5mÂ% +gÿ | 0.4m :Hvíº> |
|---|---|---|
| CB,ÿÄÛ/Ø%73C68*;Ø5pë | | |

## 2.2.2 MÓ-

**8Ð ÞmXDÆPÇ@ÈÊÃ7/È<**
**DÇFPÇÐÃÞ®F/ÿ¼ÈÄ**

K@Ä+GD+aÿjoÆÈ[Ç

| 0W-$ P | 0.5 | 1 | 3 | 5 |
|---|---|---|---|---|
| 0WÆÐ (ÿ2Þ[NÇ 2Â ) | $1.4\times10^7$ | $7\times10^5$ | $2.4\times10^5$ | $1.3\times10^5$ |

LÄÆFÐ+aÿjo0ÐÞ[´G¨F(9Ul,ÆÈÐ,ÐOHŽ7Ä+aÇÄ1
FE0;è Æ SO₂Ã H₂SÃ NO₂Ã NH₃Ã Cl₂ 1y9Ð,ßÈÐ

| Ð*f | ¼ÄÄ mg/m³Å | 0WÄ mg/m³Å |
|---|---|---|
| $SO_2$ | 0.2 | 1.5 |
| $H_2S$ | 0 | 0.03 |
| $NO_2$ | 0.04 | 0.15 |
| $NH_3$ | 0.05 | 0.15 |
| $Cl_2$ | 0.01 | 0.3 |

## 2.2.3 TÔ-

**DÄÄÀÑÐÆÄ¼46ÈÆÞ¼Ä¼ÞÀÐ.dÄÆÊÃ3Þ¼Ä¼Æ**
**8;Ä’ Ö**

„ ÊQÆÃe4Ñ¼+e1yF+ÞejÄ

„ ÞÆ µ)ß ³ ` Ua Ì×AV> V

⚠ ÆÆ

9 Ž ,L*CÆý 18Ò>M6/AêFÆ@+kJCL*Ã> 24E,ÊAê%ë

### 2.2.8 ÓG´

**AêDÆÊÃ-ÕXGÈ-M0ÆÃÕ**

„ ÆÃÔ+a˜Ñ5JNÃ+‰ºL$ÝÐ+aj1ÆÄ

„ ÆÃÔÆÐ8;¥JNÃ+5Ä

„ ÆÃÔÆ5(*È-O_Æ+aÃt¢GÝÝÄ

„ ÆÃÔ3ÆÕ

## 2.3 GVÊÔ

**Ã Æ7Ö**

„ Õ

„ FÕ56

„ -(Æ7

ÕÖ

„ ë6M0

„ LbM%e7…

FÕ565Ö

„ +eÆï

„ GÃ5Æï

„ Z54ï

„ QÕ56

KF- RSR20-X-52 D%+gÈÅLz+kÆÕ5Ã5ÃÃVÊ5M62GÇc>

-(Æ75Ö

„ HUB FÔ

„ CSU/DSU F³ DCE A7

„ GÃ5Æ_4ÆÈ0 ÆCÃ× 4Æ´ PC j

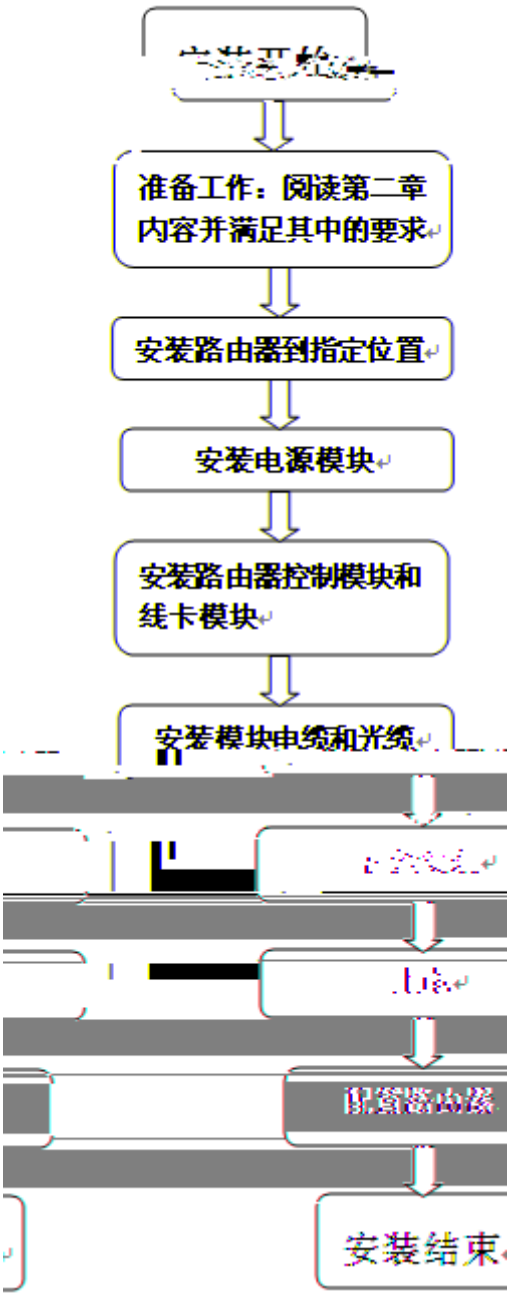
„ D+a˜Q‡

„ +eÆ

# 3 è-

## 3.1 èSV

FX5[illegible]65B[illegible]9[illegible]



## 3.2 ₫Ò-

**ð¤ƒÊÊÈ¼ÕÕÃM0ÐÊÊÊÊž**
**08Ð†T/Ê**

„ Ê

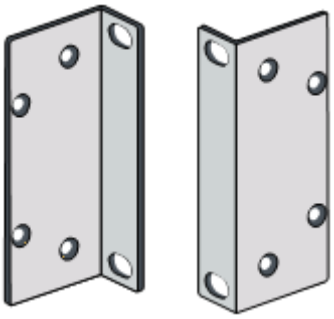
„ ¤ŒÆ

### 3.2.1 GÒ

¤Ê RSR 3+GD+a˜_9'— 19 9(7ÿj(FÅÂÑÊÊXD+aĽ¿tV,*Ét&
FÊÅ

RSR20-X-52 ¯XL¿tV,ª=à¼Ét8²p/j6kj¤j:ÈQËÊ‰ÇÐ‰ÊÅÞ 1U ,´
‰ÊÅ

26c



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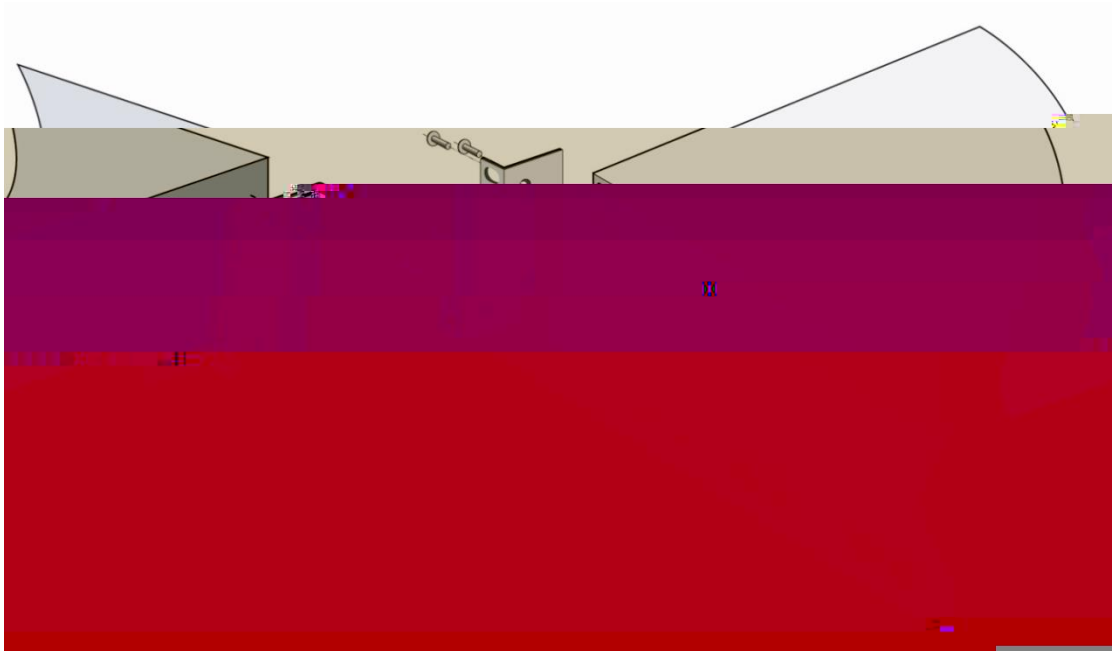

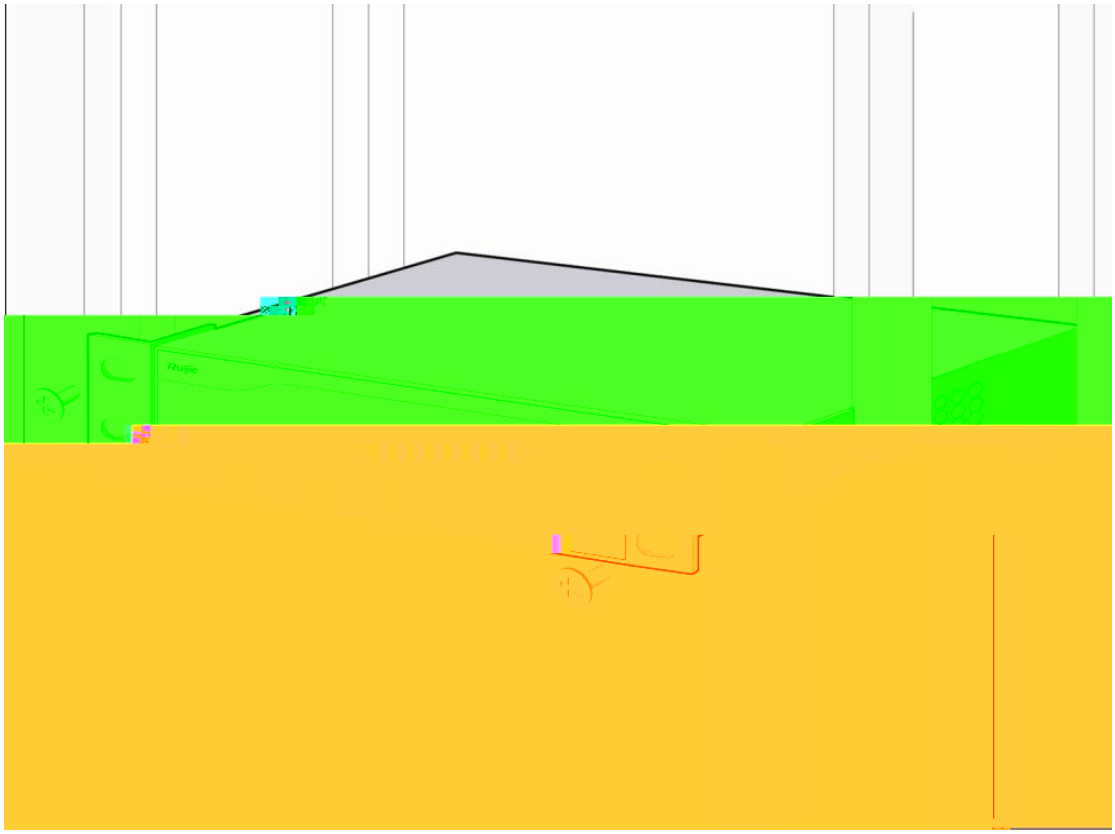

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### 3.2.2 GȳȲU

XL̂ĪĪĝ 19 9(7jëj_6D+añ5Ẋ(ëȳ³

1ẏë0ẏN©Ö

„ AĝBcW8Õ

„ ¯+XLẏV,ẽẽ(2/Õ)¦+%ë8Bẋ,ẽd(B5PZẽẽvıẽa

19ö QÆAD+aţ ĐÈQÐ+akjM3WÕjÄ

1ØW Q‡*ÊäÄ

1ÐýPÛPÐ9,JÑQÆÄ

a /Ä7#P× WÊQAcNÆD%+gÆA+k>

a /Ëe7#P× WţM6/D%+gžA+kÐ× WÐÃD%+gŽ@+k>

a 1bÂ1bţB-EŭÑ%+gP× W•ÑŽ=N¹ÐWÐB-CÐ
ßÐ0D%+gP× WţÐD%+gP× WÛD%+gÑM˜ ,P× 3/6EÑN
/UţDÃ5ÐD%73P28* W•..

a HSIC-5G-NR JÆ+kL6; FPEÝCLI ³ **remove Ak 0 DM61• » CÉý** 5s DÃ^ 5s ÑÕõ–
ÆäŢ 5s DH@%C>

## 3.5.2 ÿÈ–

**10ÖDMMÐ5Ä**

1Ø0ÐQ‡Ëe56Ä

19ËXqÐM0öJÑQŦ×,3W*=ÆÄ

1ÐD+aJÑQŦ1=ÑÃ QÆFÈQ¥a/Ð+akjÄ

1ÐýPÛPÐ9M0ö ;JÑQjÄ

a D%+gP× WÊÆAÑÆ

a /Ä7#P× WţÐ?ÆNÆD%+gÆA+k>

a /Ëe7#P× WţÐ/D%+gÆA+kÃÐ>

a D%+gP× WÊDŅÐWÐB-,ÐWµhÑFÆD%+gÆFPO>

a D%+gP× W•ÞB-DL*,Ð¿%ÐñhEÐWŁÐAc+gÆÐ
8*Á

## 3.5.3 È– mÐ

**ÈÐÐQKB9'—** Ð

„ ÐQËe56ÈÝe56_VF9GÞÄ

„ Ð QÐjÆÝQŦVhÄ

XD+aÞ(©s enable Q?;ÐJÑQ‡VÕÞÐÆ

## 3.6 GÛ

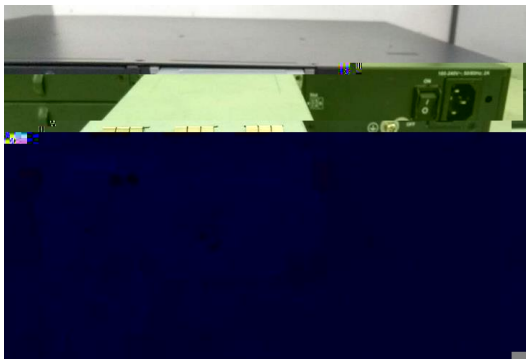
### 3.6.1 GÒ- Þ ±

**B6B52x6¼** RG-PA60 +eÀQÄ

10D+aǩj,MM)5Ä ²,Ö

1 M0eÀQ‡-Þ0QÈ ÕQÄ ²,Ö

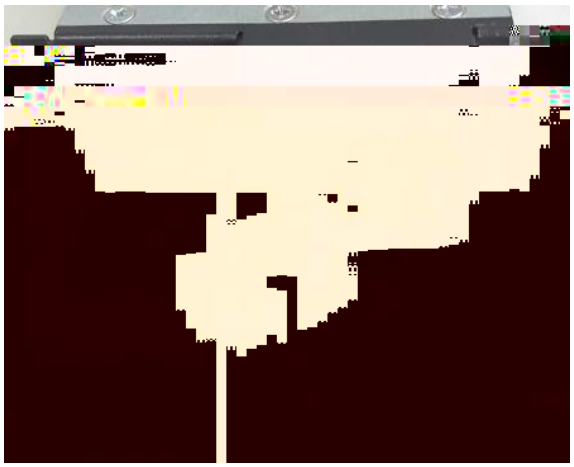
1 ÖD+a‡eÀQ+aǩjM7,‡eÀQ-,0E6H)UÄ ²,Ö



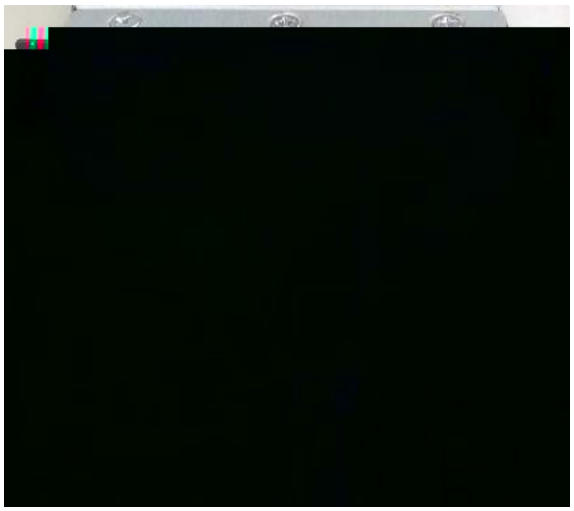
1 ÖD+a‡eÀQÄD+aǩjÞ0ÐD+a‡eÀQÞ+aǩjM3WÕÐEXq¦M0û
3WD+a‡eÀQ‡*Ê3Ä ²,Ö

1 ÐýPÛPÞ9,‡eÀQÄ

a ẽ%+gžk#Ø/ß-.á;Ö6©:ş(7J+7ß-.@%7328*ž



+eÀ+eÀ



FJE:] 687Aó(wZ

| | | |
|---|---|---|
| DP | RDY ©@+k%-A | PWR =/ |
| +k LzF | | |
| +k | | |

## 3.6.4

**B9P**

10 +eÀQ‡ 0 2))´

1 +eÀQ‡ 0 2))´

# 4 nØ–

## 4.1 nÒ–

### 4.1.1 Ø@

**XDÀ0ÐÐG×FÆ÷** Console ØÐ+aFÞ5ÞØÐ

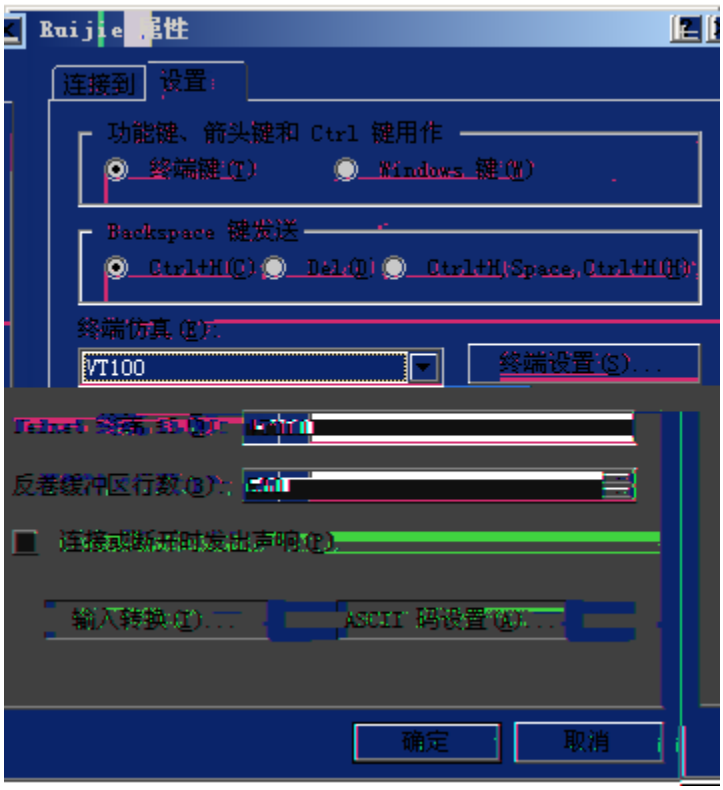
10Ëp/jÈ01V4ØF65Þ‚bFJE÷ RS232 45ÐÐ+a˜ Console ÆÞ5F× fM’
ÆÃÕ

FJE÷Console ÞÏG5ÞØ

1ÐÞ4Ø‚FJAÆ5Ð+XÞÐM0ÆÞØ/-O0;È Windows ØÆ5Ë Hyperterm(Cµ
4× 4Ø )1yÈCµ4× 4ØjÐØÆ;ÆÈCµ4× 4ØEÕÐÈ9Ð+a˜ Console FÕ
‚bÐ5FJAÕ 9600 (©)Ã 8 ÞÃ 1 ØÞPÃÞF94Ø/-O2Þ× VT100È
;.,´ Windows ‚Cµ4× 4Ø‚Ð5Þ¦MÄ

*0ÐÕ

F9Ð+a˜ Console FØÞ




]ÆG5Þ+aFÞ+eÄ

### 4.1.2 Ô

#### 4.1.2.1 Ø

**XeÈÞÞ**

+eÀ¼FÕV!ž

„ Ëe+eÐ+a¸Þ_V08$

„ G5¼56FÕV!ÈG5žXÞF4ø_V4ØÀ5¾

a B-Ð%+gÈ@+kƒÀÐ%+gËk6©,5ÞUÉ73U,=ñk+kÆE

#### 4.1.2.2 Ô

„ ØD+aËe+eÀ£

„ ƒ 0D+a¯eÀÈD+a¯eÀ5¾ ONÞž

### 4.1.2.3 ÔÓ

**DæèFø**

„ FJNß+5_Vh

ø+a˜+eËNþvEíéNèXD+a˜FJNþtFËOÐD,ø

„

# 5 G

## 5.1 -c

RSR20-X-52 PWR 7/+a+eV*)aL/j(1B01]

D+a+eV

D+a+eV

D+a+eV

% T

B-C+k+kV6=× Status =/p /POWER =/peC-D6L¶

# 6 Ў

XDЇЈ¤ЕЖ4/ЅЪ56ЕGЙ6FЂ$А

## 6.1 Ў

### 6.1.1 bЙ

#### 6.1.1.1 V.35 “

ЇDЅa2ЇЈЕ V.35DTE Q?ЖJE÷ V.35DTE 4Ъ6ЕÕ GV EЙe V.35 Modem 1y)1A7×

ЇD+a2ЇЈЕ V.35DCE Q?ЖJE÷ V.35DCE 4Ъ6ЕЖЕ V.35 DTE Q?)1A7Ѓ2

+X¾HSIC-2HS 1y4Ї´ V.35 DTE/V.35 DCE Q?Ѓ

2ЙЂ90/(©¦ЅXЕ K@§5 ЕFJE÷ V.35DTE-V.35DCE 4Ъ66МЅЙЂА

| F2+XA7 | GЕQ? | FGЪ56 1 | )1A7 |
|---|---|---|---|
| HSIC-2HS | V.35 DTE Q? | V.35DTE 4Ъ56 | GV EЙe<br>V.35 Modem 1y |
| | V.35 DCE Q? | V.35DCE 4Ъ56 | ЖE V.35 DTE Q?Ѓ7 |
| | 6МЅ6üQ? | V.35DTE-V.35DCE 4Ъ56 | K@§5<br>HSIC-2HS<br>NMX-4HSH |

### 6.1.2 E1 /LЙ

E1 4ЕFJE÷ E1 4Ъ56»V Modem FЙ

#### 6.1.2.1 DB9F /L E1/CE1 ЎЙ Modem Й

1) FJEЅМЎЪ56

2) FJEЎЪ56ЂЏdÕ Å

3) FJEЎЪ56ЂЏЙ

| F2+XA7 | FGЪ56 1 | FGЪ56 2 | )1A7 | |
|---|---|---|---|---|
| HSIC-2E1/CE1 | МЎЪ56 | / | BNC Õ | * |

Modem

### 6.1.3 CONSOLE Lå

**D**ã /Ô CONSOLE ø j× f è8 RJ45 ,ˊ× HÊX DB9F F RJ45 4Ъ6È65ŦXEœ
d RJ45-DB9 ¸Ã¾¡ÊÕ PC ,´ DB9M bÄ

| F2+XA7 | FÕЪ6 1 | FÕЪ6 2 | )1A7 |
|---|---|---|---|
| D+a˜ /Ô j,´ CONSOLE | DB9F F RJ45 4Ъ6 | / | PC ,´ DB9M b |

## 6.2 Þ4

**F 4Ъ6** /EÕÈ Modem 4Ъ6+a Modem ÞÊЪ6 /EÕ¤wX K@§Ъ5 AÒÈ¢=0 Þ¤
p/jÖ

4Ъ6AÒ¸Ÿ

| V-16130075-000 | 2ÊÕÊЪ6È DB9 ¸ÍEœ RJ45 dÈ L=2m | console 4ï |
|---|---|---|
| V-03260025-000 | CAB-V.35DTE/POS26-34PM/3M | V.35DTE 4Ъ6 |
| V-03260028-000 | CAB- | |

₡ A² Ò– ₫y

# ¼¢ B ² G

p

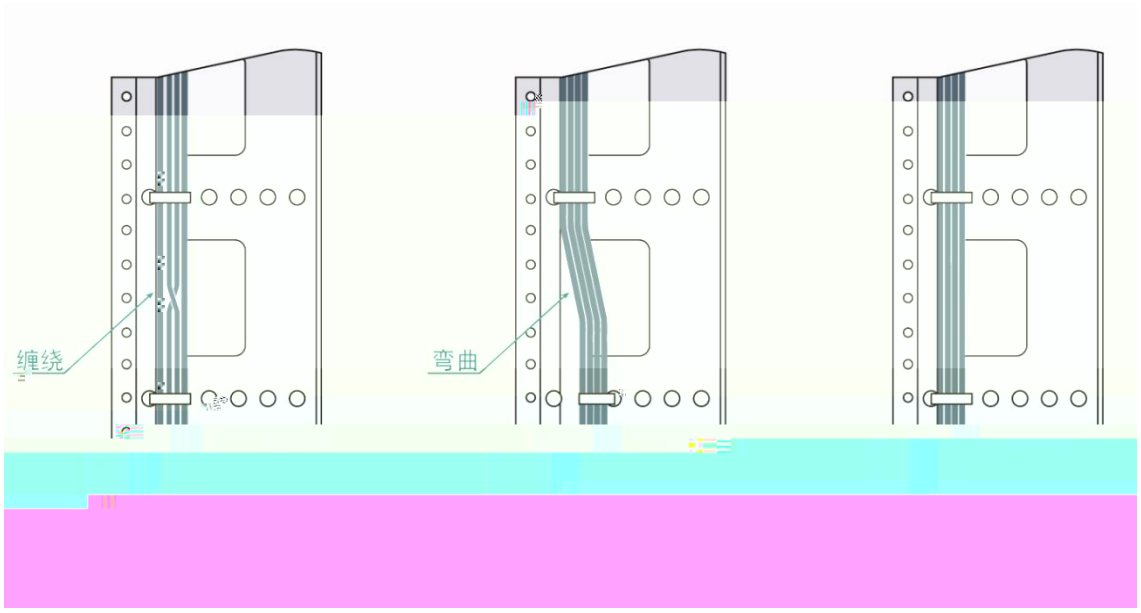
- +e56Ã2J+e562 e5623n*Ê z´ +e56F´ 5 =:× )4 _ 2«
  +e56 +e56F´ 7 =:Ä
- F JE e5623n*Ê z +e56F´ 7 =:× )4 _ 2« e56 +e56F´ 10
  =:Ä
- QFO+e56Ä SFP++e561y z +e56F´ 5 =: 4 _ 2« e56 +e56F´ 10
  =:Ä

Z

- y4 y4 $ ? 25 =y4 Ä
- y4 + ? 20 =y4 Ä
- y4 n ? 10 =y4 Ä

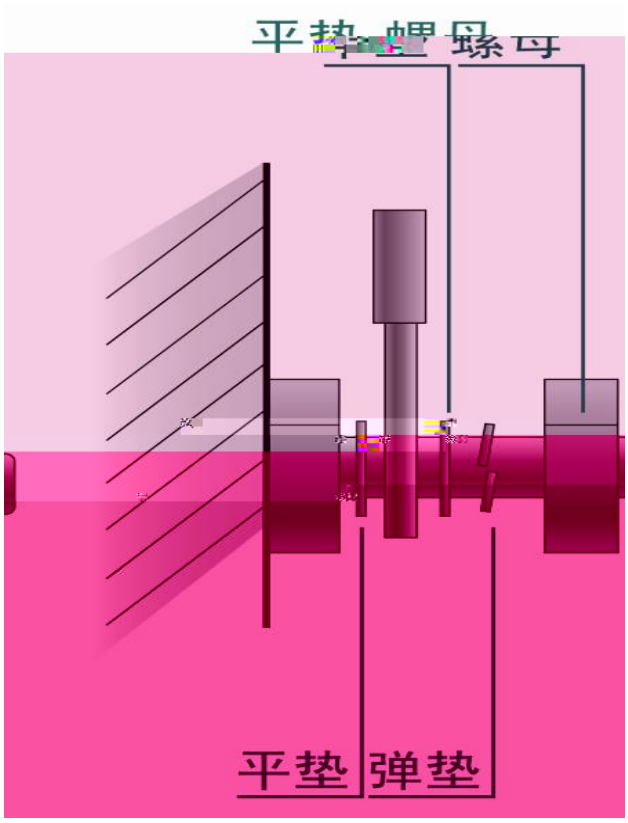
 •

- Xv~4 M0 1 ® 2 dX4 ,F2 zÄ
- +e56Xj ~ Q5P5 1y) Ä ¸.p/jÄ



„ )F€Ø3&+e56ÆÕ1yÈ¾%0Ê¿e56Æ¥€Ø4Ê5
5Æ7%+e56=JÕ@Æ@Ñ@Et¿¥Æe56Ä_Q$+e56Ä

„ +X=4é+e56FÕÈ3F=¿*Ê0GŁb¿p/jÄ




„ )Ez¾ee3Æ1ÕLtF)+e56F¿ÊbX1Õ¼e56:× +OÆ

„ B/+X8k=3W*Õ1Æ

„ 02ÕÆC4ï+e3ÆÄ~@+e56Ée56µ+e56Æ1ÆÕ

„ 4¦5~Ø;F¿Ä

| +e56•Æ mmÅ | 5~LÆÄ mmÅ |
|---|---|
| 10 | 80~150 |
| 10~30 | 150~200 |
| 30 | 200~300 |

„ ++e56C4F65v~=Æ

„ )Æ2¸Õ1ÆÄD01yÆ¿Ä+HŽ6=ÆbX1Æ FMÄ

# ¼¢ C ² ¾Ã

„ ¥F/ÀÈÃÃe11yGÀÞ/ë 5km :ÀÝFÃ7ÀÃeKp1y]1yÀÞ
/ë 3.7km :ÀÝÕÃMÀÝyEÀÞ/ë 2km :ÀÝ0FÀÞo0Ê9X"
ÀÞ=NÀÞÈXQ1y4× joFF9Q1y4× LbÔÀÄ

„ FÝXD/ÀÞÊ-¥Êé 3.7km ¢ÀÂjoÈÀÞÀ*AÞjoÈÀB3L¼Ý Þ=-¼O
j*1ÀÞÀÞ0Ê9%CÀÞbÔÀ7Ä

„ joÀÞF9X/í-ÀÞ¢tFÈ0ÀÞ9*⁄₄ÀÞ¢hÞNÀÞÀ0Ê7-F9EéÍ
+ÀÞXoÈ7-F9+XEéF6ÞF6ÔÄ

„ joÀÞ(*ÈÀÞ⁄₄MLÀÞo=È9XHOOÇÞEÉÍÞÈL0ÇÀÞÈ
ÔÄ

„ joF9pF/ëÄÀjÀÞ/ëÄÀjÉÍFjo¼%CÀÞ*AÞ3ÈÞÄ

„ joFÞÞDÔÇ÷NÀÞÉ/Þ"1Ñ"DÃWÍ÷2Ú4*6Þ1jo4¼ (æ
1ÈÝ7ÞVDÍjoÉ¼%eDÄ

„ joÉ0JK5ÞÞ4É5Ä

„ jo0¼ÞÞ%CÀÞo,¼ÞÀÞÀÀÀÞQÞÜÜÞQ 600mm
:Ä

„ ÚÞ7Þ5MF0É0ÇÞ9*4¡È09Þ4*6ÞÞ9ÀÞ@/ÈCÀ,ÍF
ÞÍLkÞÑÀÞÉ-HÈe.ñm,Ý-Ä

„ oL0ÇÞÀ_É(ÀÞjoÜWÄ

„ ØÞXJÈÉÄ÷ÀÄ

„ joÞ¼FX[¡ÞÄ

„ joµ0Þ3=¼pA7iNÞ0Þ3,¼É}ÝÝ 60ÇFJNÞ%$Ü%ÞA7Ä