



ADSL SPLITTER FILTER MODULES

POTS Central Office Splitter for standard ADSL applications
Complies with Option A and B of ETSI specification TS101-952-1-1 for
600ohm impedance
Part of a standard series which has footprint compatibility
RoHS " -R " peak solder rating 260°C, non-RoHS peak solder rating



ELECTRICAL SPECIFICATIONS @25

E08101,E08101-R

- 1.1 Insertion Loss: 0.5 dB Max. @ 200Hz to 4KHz
- 1.2 Return Loss(Min.):
 - >16 dB @ 300Hz to 500Hz
 - >18 dB @ 500Hz to 2KHz
 - >16 dB @ 2KHz to 3.4KHz
- 1.3 Cut-off frequency: 7.0 KHz \pm 1KHz @ 3dB
- 1.4 Passband Ripple: \pm 0.5 dB @ 200Hz to 4KHz
- 1.5 Attenuation:
 - >65 dB @ 30KHz to 300KHz
 - >65 dB @ 300KHz to 1104KHz
- 1.6 Longitudinal Balance:
 - 58 dB Min. @ 200Hz to 1.0KHz
 - 53 dB Min. @ 3.0KHz
- 1.7 Characteristic Impedance: 600 OHMS TYP @ 300Hz to 3.4KHz
- 1.8 DC Resistance each line: 12.5 OHMS Max. @ 25°C
- 1.9 HI-POT: 250Vdc, 1mA , 2Sec.
- 1.10 Pots Loop Current: 100mA DC
- 1.11 Envelope Delay Distortion: 100uSec. Max.@ 0.2 to 4.0KHz

Specifications Subject To Change Without Notice

TAIWAN
TEL: 00886-3-3310896
FAX: 00886-3-3310865

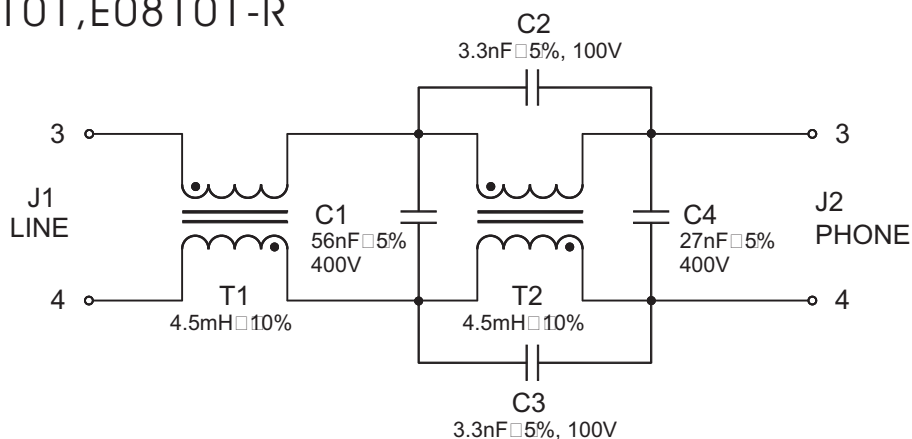
DONGGUAN
TEL: 086-769-86761589
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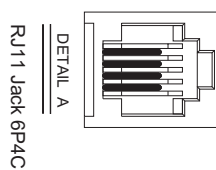
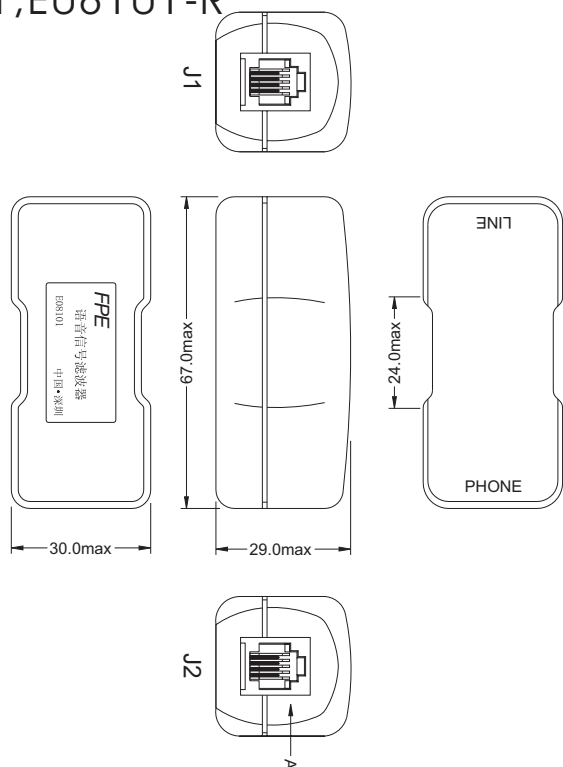
SCHEMATICS

E08101, E08101-R



DIMENSIONS & MARKING

E08101, E08101-R



UNIT: mm

CONNECTOR	FUNCTION	STYLE	TIP	RING
J1	LINE	RJ11	PN3	PN4
J2	PHONE	RJ11	PN3	PN4

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ELECTRICAL SPECIFICATIONS @25

E18204,E18204-R

- 1.1 Insertion Loss: 0.5 dB Max. @ 200Hz to 4KHz
- 1.2 Return Loss(Min.):
 - >18 dB @ 500Hz to 2KHz
 - >14 dB @ 300Hz to 3.4KHz
- 1.3 Cut-off frequency: 7.0 KHz \pm 1KHz @ 3dB
- 1.4 Passband Ripple: \pm 0.5 dB @ 200Hz to 4KHz
- 1.5 Attenuation:
 - >65 dB @ 30KHz to 300KHz
 - >65 dB @ 300KHz to 1104KHz
- 1.6 Longitudinal Balance:
 - 60 dB Min. @ 200Hz to 1.0KHz
 - 55 dB Min. @ 3.0KHz
- 1.7 Characteristic Impedance: 600 OHMS TYP @ 300Hz to 3.4KHz
- 1.8 DC Resistance each line: 25 OHMS Max. @ 25°C
- 1.9 HI-POT: 250Vdc, 1mA , 2Sec.
- 1.10 Pots Loop Current: 100mA DC
- 1.11 Envelope Delay Distortion: 100uSec. Max.@ 0.2 to 4.0KHz

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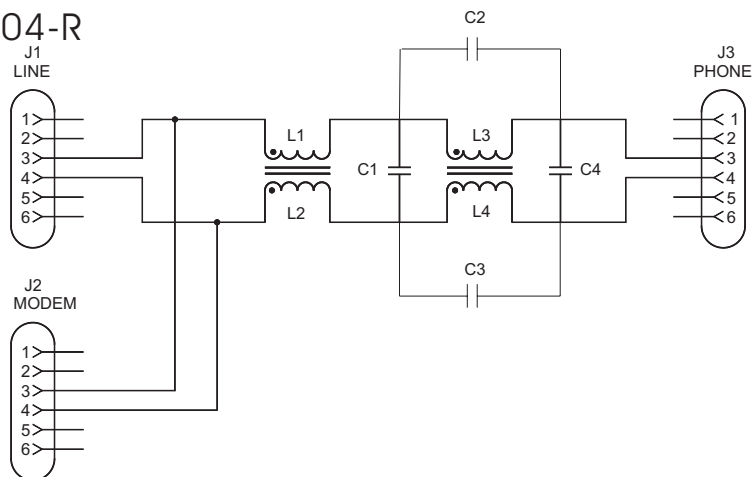
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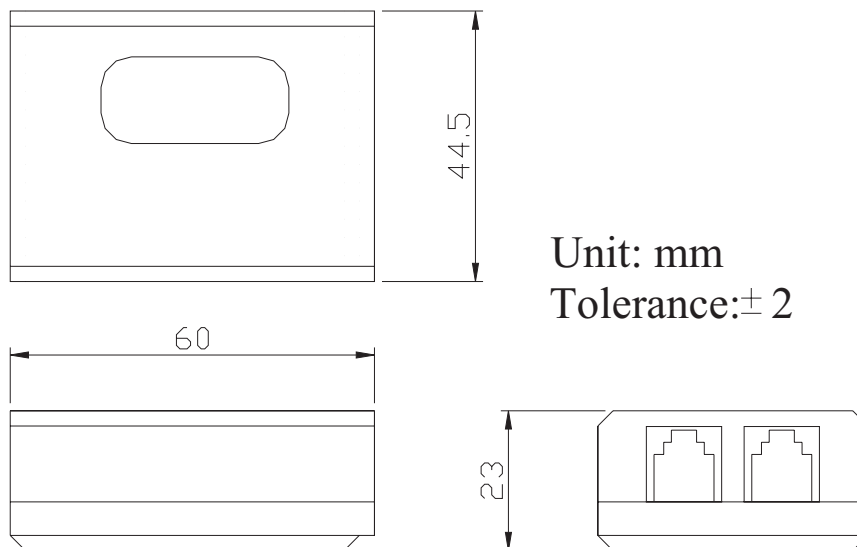
SCHEMATICS

E18204,E18204-R



DIMENSIONS & MARKING

E18204,E18204-R



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ELECTRICAL SPECIFICATIONS @25

E08103,E08103-R

- 1.1 DCR EACH LINE: 12.5 OHMS Max
- 1.2 POTS 3dB CUTOFF FREQUENCY: 7KHz
- 1.3 Insertion Loss:
-0.5 dB(Max) @ 200Hz~4KHz
- 1.4 Return Loss
-16dB Min @300~500Hz
-18dB Min @500~2000Hz
-18dB Min @2000~3400Hz
- 1.5 ATTENUATION:
-65dB Min @30~300Hz
-55dB Min @300~1104Hz
- 1.6 LONGITUDINAL BALANCE(CMRR):
-58 dB MIN @ 200Hz to 1000Hz
-53 dB MIN @ 3KHz
- 1.7 POTS PASS RIPPLE(@200Hz to 4KHz):
 ± 0.5 dB
- 1.8 ENVELOPE DELAY DISTORTION:
100 uS Max @ 0.2 to 4KHz
- 1.9 POTS LOOP CURRENTS:
100mA DC
- 1.10 IMPEDANCE (@300Hz~3.4KHz):
600 OHM
- 1.11 HI-POT TEST:
TIP TO RING 250Vdc/1mA Max/2sec

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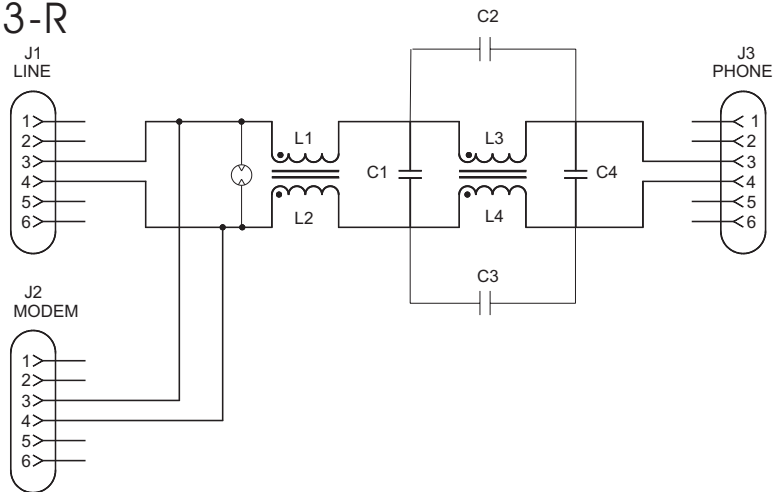
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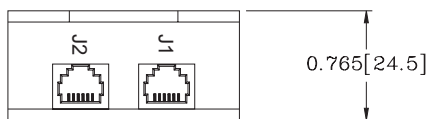
SCHEMATICS

E08103, E08103-R

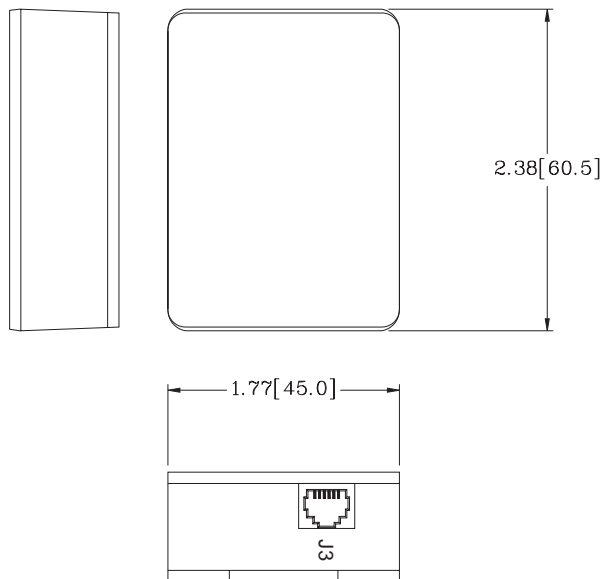


DIMENSIONS & MARKING

E08103, E08103-R



Unit: Inches[mm]
Unless otherwise specified all tolerance are ± 0.10 [2.5]



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