```
= 1, and the frequencies in those expressions are all scaled to the cut @-@ off frequency ?c =
1.
= = = Series sections = = =
The image impedances of the series section are given by
<formula>
and is the same as that of the constant k section
<formula>
= = = Shunt sections = = =
The image impedances of the shunt section are given by
<formula>
and is the same as that of the constant k section
<formula>
As with the k @-@ type section, the image impedance of the m @-@ type low @-@ pass section
is purely real below the cut @-@ off frequency and purely imaginary above it. From the chart it can
be seen that in the passband the closest impedance match to a constant pure resistance
termination occurs at approximately m = 0 @.@ 6.
= = = Transmission parameters = = =
For an m @-@ derived section in general the transmission parameters for a half @-@ section are
given by
<formula>
and for n half @-@ sections
<formula>
For the particular example of the low @-@ pass L section, the transmission parameters solve
differently in three frequency bands.
For <formula> the transmission is lossless:
<formula>
For <formula> the transmission parameters are
<formula>
For <formula> the transmission parameters are
<formula>
= = = Prototype transformations = = =
```