

 $\frac{y+Z}{y-Z}=S$

$I Y-\Lambda=g$
$I Z+\Lambda=V$
The voltage waves are
Determine the reflectance for an impedance $Z$.
Example
$z$



 $\overbrace{\substack{\| \\ 0}}^{\sim} \boxtimes$

 s!̣ (рәчэъеш) y

 $S(z)=-z^{-1}$
pue

$\stackrel{N}{\prime}$

Transmission Line Filters


## Deparmeno of Elecrical Enyincering Limboring Univesing <br> (2)

The reflectance is
Transmission Line Filters
IT

## 

|  |  |  |
| :---: | :---: | :---: |

 tion, the incident waves are partially transmitted and reflected. Transmis-








(.101
рие
рие $s_{-} \partial=\frac{+\mathrm{I}}{-\mathrm{I}}=\frac{y+{ }^{u!} Z}{y-{ }^{u!}{ }_{Z}}=(\quad) S$
 $\mathrm{I}^{z}=(z) S$ $Z_{\text {in }}()=R$
$\qquad$ $x=$


I



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