

VSWR TO RETURN LOSS CONVERSION

" Convert VSWR "

An online conversion tool, converting between VSWR, return loss and reflection coefficient.

VSWR to Return loss

3:1 =	6 dB
2:1 =	9.5 dB
1.5:1 =	14 dB
1.2:1 =	20.8 dB
1.1:1 =	26.4 dB

VALUE

Return loss 17 dB

VSWR 1.328 : 1

Reflection coefficient 0.141

Convert

- VSWR may be specified as 3:1 or just 3.
- Return loss should be positive in dB
- Reflection coefficient should be greater than 0 and less than 1.

INTERACTIVE SMITH CHART

" Impedance matching "

NETWORK

Z11
0 Ω
+0 jΩ

Res

Res

open

Re

Im

Calculate

Frequency
1000
MHz

Cursor
 Enable

Grid type:
 Impedance
 Admittance
 Both