

Type		HVO 1244 P
Order number		217 125
EAN-Code		4026187197452
<b>Forward Path</b>		
Frequency Range	[MHz]	87 - 103 - 258 / 1006 - 1218
Gain* (switched)	[dB]	28 / 36 / 44 ± 1
Frequency Flatness	[dB]	± 1
Noise Figure (87 - 1006 / 1218)	[dB]	5,5 / 6,5
Return Loss	[dB]	18 @ 40 MHz -1,5 dB / oct.
Cable Simulator (Input)	[dB]	0 - 7 (Pad), de-emphases
Attenuation (Input)	[dB]	0 - 15 (Pad)
Slope (Input)	[dB]	0 - 15 (Pad), pre-emphases
Interstage Slope 87 -1006 MHz	[dB]	7 (Jumper)
Interstage Slope 87 -1218 MHz	[dB]	10 (Jumper)
<b>Output Level</b>		
Max. output level acc. EN 60728-3 110 – 862 MHz flat / 7dB Slope (87 – 1006)	[dBμV]	107,5 / 109
110 – 1006 MHz flat / 7dB Slope (87 – 1006)		106 / 108
258 – 1218 MHz flat / 10dB Slope (87 –1218)		104,5 / 106
Testpoints Input Output		bi-directional, 20 + 2,5 directional coupler, 20 + 1
<b>Return Path</b>		
Frequency Range	[MHz]	5 - 65,/ 85 / 204
Max. output level (configured by Jumper) 5 - 65 MHz with 2 dB Slope 5 - 85 MHz with 2,5 dB Slope 5 - 204 MHz with 5 dB Slope	[dB]	24 / 28 / 32 +1 24,5 / 28,5 / 32,5 +1 27 / 31 / 35 +1
Frequency Flatness	[dB]	± 0,7
Noise Figure	[dB]	≤ 4,5
Attenuation (Interstage)	[dB]	4 / 8 (Jumper)
Attenuation (Input, Output)	[dB]	0 - 15 (Pad)
Slope (Output)	[dB]	0 - 15 (Pad, turning point switchable)
<b>Output Level</b>		
Max. output level acc. EN 60728-3 5 – 65 MHz with 2 dB Slope / plus 8dB Interstage 5 – 85 MHz with 2,5 dB Slope / plus 8dB Interstage 5 – 204 MHz with 5 dB Slope / plus 8dB Interstage	[dBμV]	114,0 / 113 112,5 / 110 109,5 / 107
Testpoints before setting elements after setting elements		directional coupler, 20 +1,0 bi-directional, 20 +1,0
Return Loss	[dB]	16 @ 40 MHz -1,5 dB / oct.
<b>Common Data</b>		
Connectors		F-Connectors
Supply Voltage	[V~/Hz]	230 / 50
Ambient Temperature	[C°]	-15...+50
Power Consumption	[VA] / [W]	typ. 34 / 15
Power Cons. w/o Return Path	[VA] / [W]	typ. 28 / 12
Weight	[kg]	app. 1,6

\* Additional cut of a maximum of 0.5 dB at the filter edges