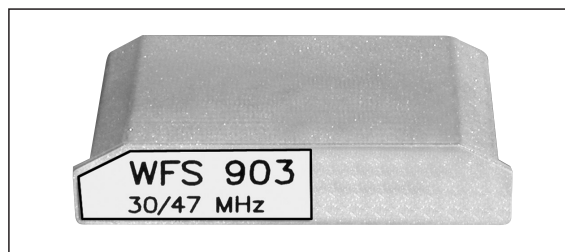


In-house Distribution Amplifiers Accessories

Return path filters

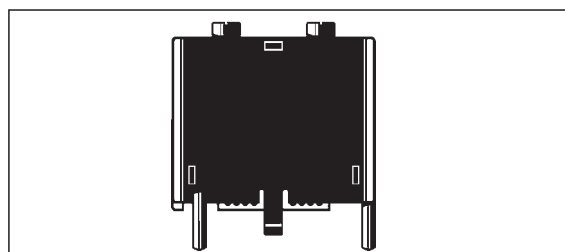
- For in-house distribution amplifiers VOS 930, VOS 931, VOS 940 and VOS 941
- Consist of two filter boards, complete for input and output
- Must be ordered separately (not in the scope of delivery of VOS 9xx)
- Packing/Weight (pc/kg): 1 (10)/0.06



Type Order no.	Symbol	Frequency range (MHz)			
		5-30	30-65	47-80	80-862
WFS 903 24510047	Through loss (dB)	Return path		Forward path	
		0.5		0.5	
WFS 906 24510048	Through loss (dB)	0.5			0.5

Return path filters

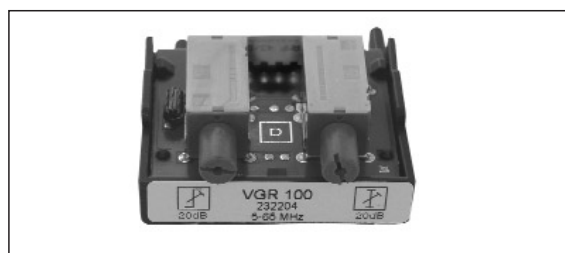
- For in-house distribution amplifiers VOS 120/F, 135/F, 135/G, 136/G and 135/P
- Consist of two filter boards, complete for input and output
- Must be ordered separately (not in the scope of delivery of VOSxx)
- Packing/Weight (pc/kg): 1 (10)/0.03



Type Order no.	Symbol	Through loss (dB)	Frequency range (MHz)			
			5-30	30-65	47-80	80-862
WFS 130 222262		Through loss (dB)	Return path		Forward path	
			0.5		0.5	
WFS 165 222263		Through loss (dB)	0.5			0.5
WFS 166 20910010	Through loss (dB)	0.5			0.5	

Return path amplifiers/Return path card passive

- Suitable for in-house distribution amplifiers VOS 120/F, 135/F, 135/G, 136/G and 135/P
- Must be ordered separately (not in the scope of delivery of VOSxx)
- Variable equalizer (0-20 dB) and variable attenuator (0-20 dB) on output of return path amplifier
- Admissible ambient temperature: -20 to +55 °C
- Packing/Weight (pc/kg): 1 (10)/0.02



Type Order no.	Symbol	Frequency range/Gain (MHz/dB)		Max. output level (dBμV)		Input level density (dBμV/Hz)	Dynamic range (Input level density) (dB)	Voltage supply/ Current drain (V/mA)
		5-30	30-65	60 dB XM ³⁾	60 dB IM ⁴⁾			
VGR 100 232204		-1		-	-	-	-	-
VGR 121 232203		22		118	114	Typ. -4 ¹⁾	Typ. 27	+13 to +15/ 60-70
VGR 122 232202		22		117	108	Typ. -6 ¹⁾	Typ. 21	
VGR 131 232206		32		118	114	Typ. -10 ²⁾	Typ. 22	+13 to +15/ 60-80
VGR 132 232205		32		117	108	Typ. -10 ²⁾	Typ. 17	

¹⁾ at CINR 55 dB (EN 50083-3/A1, sect. 4.7, see page 186)
²⁾ at CINR 50 dB (EN 50083-3/A1, sect. 4.7, see page 186)

³⁾ According to EN 50083, Part 5, for interfering signals 3rd order at 60 dB XM (DIN 45004 B)
⁴⁾ According to EN 50083, Part 3, for interfering signals 2nd order at 60 dB IM