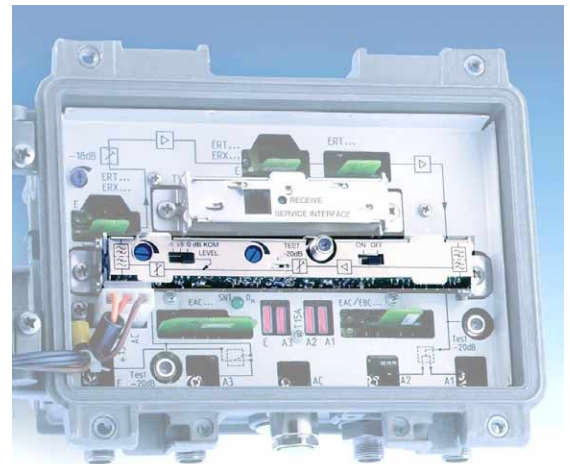


Compact amplifier

Return path modules

- For use in VGF/VGO 8x, 8xxx, VGP 8038
- VGR 30/31/34**
- Integrated highly linear push-pull return path amplifier (via KOM).
 - 10,5 and 12dB of variable equalisers range.
 - Integrated diplexers to separate forward and return path signals.
 - KOM module monitorable.
- VGR 00**
- Zero card only for forward path operation (47-862 MHz).
 - Monitoring is not possible.



Type			VGR 30	VGR 34	VGR 31	VGR 00
Order no.			232194	232211	232195	232144
Forward path						
Frequency range		MHz	47-862	80-862	85-862	47-862
Through loss	47-100/80-110/85-120 MHz	dB	1,2	1,5	1,2	1
	100-862/110-862/120-862 MHz	dB	0,4	0,5	0,4	-
Stop band attenuation	5-30/5-60/5-65 MHz	dB	≥50	≥50	≥50	-
Return loss	f≥47/85 MHz	dB	≥24-1,5/Okt.	≥20,5-1,5/Okt.	≥24-1,5/Okt.	≥20
Return path						
Frequency range		MHz	5-30	5-60	5-65	-
Stop band attenuation	47-862/80-862/85-862 MHz	dB	≥80	≥80	≥80	-
Gain	Return path activ	dB	15	15	15	-
	Return path activ	dB	25	25	25	-
	Return path off (terminated)	dB	-30	-30	-30	-
Frequency response		dB	±0,5	±0,5	±0,5	-
Max. output level typ.	2nd order for 60 dB IM DIN A 45004 A1	dBμV	116	116	116	-
	3rd order for 60 dB XM DIN A 45004 B	dBμV	116	116	116	-
Variable attenuator range		dB	≥17	≥17	≥17	-
Variable equaliser range	Cable equivalent 30/60 MHz	dB	≥7	≥7	≥7	-
Noise figure typ.		dB	6	5,5	6	-
General						
Impedance		Ω	75	75	75	75
Operating voltage		V _{DC}	12	12	12	-
Power consumption	Return path active	W	1,6	1,6	1,6	-