

Type		Vario 683 F	Vario 684 F
Order number		217 684	217 686
EAN-Code		4026187003050	4026187003074
Forward path			
Gain	[dB]	40 ± 0,8	40 ± 1 / > 862 MHz ± 1 dB
Frequency range	[MHz]	47 - 862	47 - 1006
Frequency flatness incl. temperature drift	[dB]	± 0,8	± 0,8 / > 862 MHz ± 1 dB
Noise figure	[dB]	typ. 5,5	typ. 5,5 / > 862 MHz: typ. 6
Attenuation (Input)	[dB]	0 - 20 (0,5 dB - steps)	
Attenuation (Interstage)	[dB]	0 - 7 (0,5 dB - steps)	
Equalizer (Input)	[dB]	0 - 20 (0,5 dB - steps)	
Equalizer (Interstage)	[dB]	0 - 10 (0,5 dB - steps)	
Base of equalizer	[MHz]	862	1006
Inverse Equalizer (Input)	[dB]	0 - 10 (0,5 dB - steps)	
Frequency base of inverse equalizer	[MHz]	47	
Tespoint (Input)	[dB]	return path 20 ± 1 / forward path 20 ± 2 20 ± 1 (directional coupling) 5 - 862 MHz	
Testpoint (Output)	[dB]		
Maximum output level			
42 Channels / linear	[dBμV]	113 (CTBA & CSOA ≥ 60 dB)	
42 Channels / 7 dB Slope	[dBμV]	115	
Return path			
Frequency range	[MHz]	5 - 65 / 5 - 33	
Gain	[dB]	depends on return path module	
Diplex filter	[MHz]	5 - 33 / 47 - 862 (VD 33), 5 - 65 / 80 - 1000 (VD 65)	
Common data			
Power consumption with/without return path	[W]	19,5 / 17	
Connectors	[Ω]	IEC-jack or PG 11	
Supply voltage	[V~/Hz]	24 - 65 / 50 resp. 60	
Testpoints		4	
Ambient temperature	[°C]	-15...+55	
Housing (W x H x D)	[mm]	204 x 73 x 150	
Weight	[kg]	2,7	
Return loss	[dB]	≥ 18 (> 14 MHz -1,5 dB/Octave) In-/Outputs & Testpoints	
EMC		accord. EN 50083-2	
Protection class		IP 54, categorie 2 accord. DIN EN 60529	
Power supply protection		T1,25A L 250V IEC60127 -3/4	
Remote feeding fuse		T5A L 250V IEC60127 -2/3	