

# BK 600 Optical System

## Booster amplifiers

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Funea Broadband Services bv

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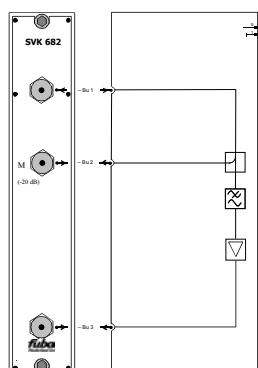
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### Application

- Pre-amplifier
- Booster amplifier

### Features

- SVK 684 with Automatic Load Control
- GaAs technology
- enhanced performance
- high reliability design
- simple applicable
- BK modular technique

Model Number		SVK 682	SVK 683	SVK 684
Typical performance data				
Frequency range	[MHz]	7...862	7...862	7...862
Nom. Gain at input level = 79 dB $\mu$ V for CENELEC42 (unmod.)	[dB]	20,5	14	7
Tolerance	[dB]	$\pm 0,5$	$\pm 0,5$	$\pm 0,5$
Flatness (15 – 862 MHz)	[dB]	$\pm 0,6$	$\pm 0,6$	$\pm 0,5$
Flatness (7 – 15 MHz)	[dB]	$\pm 1$	$\pm 1$	$\pm 1$
ALC range	[dB]	N/A	N/A	-3 ... +3
Controlled output level	[dBm]	N/A	N/A	-6.5
Noise figure F < 470 MHz	[dB]	<8	<8	<12
F > 470 MHz	[dB]	<9	<9	<13
Max. Output level:	[dB $\mu$ V]	104	104	89
DIN 45004B, IMA2 = -60 dB	[dB $\mu$ V]	111	111	-
DIN 45004B, IMA3 = -60 dB	[dB $\mu$ V]	119	119	-
CSO (CENELEC 42) at max. level	[dBc]	66	66	71
CTB (CENELEC 42) at max. level	[dBc]	60	60	70
Input/output impedance	[ohm]	75	75	75
Return loss*	[dB]	>18	>18	>18
RF test point output	[dB]	-20 ( $\pm 1$ )	-20 ( $\pm 1$ )	-14 ( $\pm 1$ )
Input pilot carrier	[dB]	N/A	N/A	-25
Pilot frequency	[MHz]	N/A	N/A	79..81
Supply Voltage	[VDC]	24	24	24
Power Consumption	[A]	0,38	0,25	0,3
Operating Temperature-range	[°C]	-15..+55	-15..+55	-15..+55
Max. temperature-range	[°C]	-25..+70	-25..+70	-25..+70
Operational lifetime	[Year]	47	47	47
MTBF	[FIT]	1985	1985	1985
Size	[BK]	1	1	1

\*at 47 MHz, -1,5 dB p/oct.

ORDERING INFORMATION		
Optical Receiver	Connectors	Ordering Number
Version Funea Broadband Services bv		
SVK 682	IEC	BK- SVK 682
SVK 683	IEC	BK- SVK 683
SVK 684	IEC	BK- SVK 684