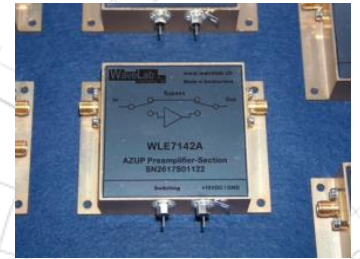


# WLE7142A Bypass-Amplifier

- DC to 2GHz
- Gain > 18dB
- OIP3 +36dBm @200MHz
- Operating voltage +15 VDC



The WLE7142A is an amplifier assembly with bypass-path. The unit can ideally be installed in receiving installations with high bandwidth. Even on the RF-input it features a minimal over voltage protection to divert electrostatic charge (no lightning protection).

Depending on customers' preferences, differing specifications are possible.

Item		Value	Unit
Technical specifications	Insertion loss in bypass-mode	DC – 1GHz	< 1 dB
	Insertion loss in bypass-mode	1 – 3GHz	< 2.5 dB
	Gain in amplifier-mode	1MHz – 1GHz	> 20 dB
	Gain in amplifier-mode	0.2MHz – 2GHz	> 18 dB
	1dB-compression point	typ.	+18dBm@200MHz / +16dBm@2GHz
	Output intercept point 3-ter sequence	typ.	+36dBm@200MHz / +27dBm@2GHz
	Noise figure	typ.	3.8dB@200MHz / 4.5dB@2GHz
	Supply voltage		+15 VDC
	DC power supply		with feed-through capacitors
	Power input	max.	150 mA
	Control signal switching threshold		+2.5 VDC
		Hysteresis (adaptable)	1 V
	Input voltage on control entry	max.	+15 VDC
	In- and output connectors		SMA (f)
	Temperature range	Usage	-40..+85 °C
		Storage	-55..+85 °C
	Humidity	Non-condensing	90 %
	Housing surface		chromalised
	Dimensions	ca.	79x59x20 mm
	Lateral DC-connectors with feed-through capacitors overlap the width by approx. 8mm		
Housing	waterproof *)	with mounting flange	
Weight	approx.	0.2 kg	
Mounting		4-whole	

\*) can be sealed waterproof upon request.

