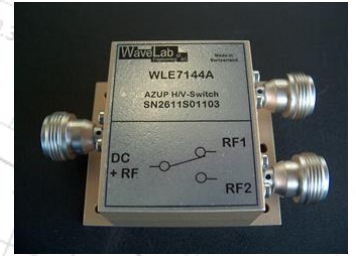


# WLE7144A SPDT-switch with phantom feeding

- DC to 3GHz
- Path-to-path isolation > 30dB
- Supply voltage +12 VDC
- Temperature range -40 to +85°C



This switch assembly consists of a SPDT switch, usable e.g. as horizontal / vertical switch. The phantom feeding enables the steering of the switching status over the coaxial supply line.

The isolation of > 30 dB is guaranteed up to 1GHz and is sufficient for most applications. This characteristic can be improved upon special request.

The switch can be used in the assured temperature range of -40 to +85°C.

Item		Value	Unit	
Technical specifications	Insertion loss of active path	1MHz – 1GHz	< 1 dB	
	Insertion loss of active path	1 – 3GHz	< 2.0 dB	
	Path-to-path isolation	1MHz – 1GHz	> 30 dB	
	Path-to-path isolation	1 - 3GHz	> 25 dB	
	Power supply		DC-Bias over common coaxial socket	
	Power input in connected status	max. @12VDC	40	mA
		typ. @12VDC	30	mA
	Supply voltage	nominal	+12	VDC
	Switching threshold voltage	typ.	+9	VDC
	In- and output connectors *)		N (f)	
	Temperature range	Usage	-40..+85	°C
		Storage	-55..+85	°C
	Humidity	Non condensing	90	%
	Housing surface		chromalised	
	Dimensions	approx.	71x42x25	mm
	Weight	approx.	0.2	kg
	Housing	waterproof **	with mounting flange	
	Mounting		3-whole	

\*) Connectors are set along the longitudinal edge; the joint connection is opposite the inputs.

\*\*) Can be sealed waterproof upon request.

