

## SAW Components

## Material Data Sheet

<b>Product Family Name</b>	SAW Filters	
	Plastic technology	
<b>Date</b>	24.10.2006	
<b>Version</b>	02	

Construction Element	Material group	Materials	CAS if applicable	mass [weight-%]			Sum [%]	Traces
				min	typical	max		
<b>Active Part</b>							<b>8.5</b>	
	Inorganic	LiNiO3	12031-63-9		7.4			
	Metal	Al	7429-90-5		0.1			
	Polymer	Epoxide	25928-94-3		0.2			
	Metal	Ag	7440-22-4		0.6			
	Inorganic	Magnesium Silicate	1343-88-0		0.1			
	Polymer	Polyacrylate (PMMA)	9011-14-7		0.6			
<b>Encapsulation</b>							<b>90.8</b>	
Leadframe	Alloy	Cu	7440-50-8		36.7			
		Fe	7439-89-6		0.6			
		Ag	7440-22-4		0.3			
Cap	Inorganic	SbO3	1309-64-4		0.45			
	Polymer	Brominated Epoxy Resin			0.45			
	Inorganic	Silica Additives			36.1			
	Polymer	Epoxy Resin Phenolic Resin			16.2			
<b>Termination / Conductors</b>							<b>0.6</b>	
	Metal	Ag	7440-22-4		0.1			
	Metal	Sn	7440-31-5		0.5			
<b>Internal Connection</b>							<b>0,1</b>	
	Metal	Au	7440-57-5		0.1			
						total:	<b>100</b>	

Package code:	sizes: L x W x H [mm]	Approx. weight [mg]
B39*-K*-N301	SIP5D 13.7x4.8x2.4	399
B39*-K7262-N201	SIP5D 13.7x4.8x2.4	399
B39*-K9655-N201	SIP5D 13.7x4.8x2.4	399
B39*-K9655-X400	SIP5D 13.7x4.8x2.4	399
B39*-M1867-N201	SIP5D 13.7x4.8x2.4	399
B39*-M3565-N301	SIP5D 13.7x4.8x2.4	399
B39*-M3565-X500	SIP5D 13.7x4.8x2.4	399
B39*-M3576-N301	SIP5D 13.7x4.8x2.4	399
B39*-N3561-N301	SIP5D 13.7x4.8x2.4	399
B39*-N3564-N301	SIP5D 13.7x4.8x2.4	399
B39*-N356*-X500	SIP5D 13.7x4.8x2.4	399

Range of ordering code (\* - wildcard for all products within this range)



Electronic Parts and Components

Company:	EPCOS AG	<b>Important remarks:</b>
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Phone / Fax	+49 89 636 22188 / +49 89 636 27280	
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<p><b>The component is RoHS-compatible</b>, what means compatible with the requirements of the directives listed below and with the requirements of the provisions which will result from transformation of the directives into national law to the extent such provisions reflect the Regulations. Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment ("Directive 2002/95/EC"); Commission Decision of 18 August 2005 amending Directive 2002/95/EC (2005/618/EC); Commission Decision of 13 October 2005, of 21 October 2005, of 21 February 2006 amending the Annex to Directive 2002/95/EC (2005/717/EC; 2005/747/EC, 2006/310/EC).</p>		<ol style="list-style-type: none"> <li>1) Traces are product parts, substances etc. that are below a percent tage of 0.1 % by weight, if not otherwise regulated (see note no. 2).</li> <li>2) A list of the (legal) "... restrictions on substances ..." or materials is available at internet address of the EICTA organisation (C4E List)</li> <li>3) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.</li> </ol>