



Sample Kit 2010



# SAW Filters and Resonators for Automotive RKE and TPMS

Center Frequency 315 MHz up to 868 MHz

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## SAW Filters and Resonators for Automotive RKE and TPMS

Wideband filters					Narrowband filters				Resonators		
<ul style="list-style-type: none"> <li>■ Usable bandwidth: 1 ... 30 MHz</li> <li>■ Chip substrate: lithium tantalate</li> <li>■ Input/Output: 50 Ω</li> <li>■ Low insertion attenuation</li> </ul> <sup>γ</sup> $f_c = 869.0 \text{ MHz}$					<ul style="list-style-type: none"> <li>■ Usable bandwidth: 0.1 ... 1.1 MHz</li> <li>■ Chip substrate: quartz</li> <li>■ Input/Output: 50 Ω with matching</li> <li>■ Excellent selectivity</li> <li>■ Low insertion attenuation</li> </ul>				<ul style="list-style-type: none"> <li>■ Center freq. tol. <math>\pm 25 \text{ kHz}</math>; <math>\pm 50 \text{ kHz}</math></li> <li>■ Chip: quartz substrate</li> <li>■ Insertion loss: <math>&lt; 1.5 \text{ dB}</math> (typ.)</li> <li>■ Resonators with frequency offset available upon request for TPMS Tx (e.g. 315.04 MHz)</li> </ul>		
$f_c$ [MHz]	Type	Pack. size	Usable bandw. [MHz]	Typ. ins. loss [dB]	Type	Pack. size	Usable bandw. [MHz]	Typ. ins. loss [dB]	Type	Pack. size	Tolerance [kHz]
315.00	B3722	3030	1.0	1.5	B3741	3030	0.36	2.1	R991	3030	$\pm 25$
					B3961	2520	0.30	2.3	R961	3030	$\pm 50$
433.92	B3721	3030	1.6	2.6	B3743	3030	0.34	1.9	R990	3030	$\pm 25$
					B3790	3030	0.12	3.6	R960	3030	$\pm 50$
					B3960	2520	0.34	2.2			
868.30	B3725 <sup>γ</sup>	3030	2.0	2.5	B3744	3030	0.60	3.0	R958	3030	$\pm 100$
					B3962	2520	0.60	2.8			
Special	Dual pass band 313.85/315.00 RKE/TPMS				B3786	3838	0.30/ 0.30	2.1/ 2.1			

- For additional EPCOS SAW filters and datasheets please go to [www.epcos.com](http://www.epcos.com) → *Product Catalog* → *SAW Components and Modules* → *Automotive Electronics*
- For application support and/or customized SAW filters, please contact your nearest EPCOS sales office
- Sample kit release: September 2010

**Important information:** It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. Our products are described in detail in our data sheets. Our *Important notes* and the product-specific *Cautions and warnings* must be observed. All relevant information is available through our sales offices.

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 Sample kit ordering code:  
 B39000Z3410A003