



Sample Kit 2010



SAW Filters and Resonators for Automotive RKE and TPMS

Center Frequency 315 MHz up to 868 MHz

www.epcos.com

SAW Filters and Resonators for Automotive RKE and TPMS

Wideband filters					Narrowband filters				Resonators		
<ul style="list-style-type: none"> ■ Usable bandwidth: 1 ... 30 MHz ■ Chip substrate: lithium tantalate ■ Input/Output: 50 Ω ■ Low insertion attenuation ^γ $f_c = 869.0 \text{ MHz}$					<ul style="list-style-type: none"> ■ Usable bandwidth: 0.1 ... 1.1 MHz ■ Chip substrate: quartz ■ Input/Output: 50 Ω with matching ■ Excellent selectivity ■ Low insertion attenuation 				<ul style="list-style-type: none"> ■ Center freq. tol. $\pm 25 \text{ kHz}$; $\pm 50 \text{ kHz}$ ■ Chip: quartz substrate ■ Insertion loss: $< 1.5 \text{ dB}$ (typ.) ■ Resonators with frequency offset available upon request for TPMS Tx (e.g. 315.04 MHz) 		
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	± 25
					B3961	2520	0.30	2.3	R961	3030	± 50
433.92	B3721	3030	1.6	2.6	B3743	3030	0.34	1.9	R990	3030	± 25
					B3790	3030	0.12	3.6	R960	3030	± 50
					B3960	2520	0.34	2.2			
868.30	B3725 ^γ	3030	2.0	2.5	B3744	3030	0.60	3.0	R958	3030	± 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 → *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:
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