



Electronic Parts and Components

SAW DEVICE SELECTION TABLE

for

Multimedia applications
(TV, Tuner, Set Top Box, Cable Modem, Mobile TV,
Satellite TV with Channel Stacking Switch or Satellite Channel Router,
Digital Radio)

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TV IF filters for intercarrier, video, audio, and quasi / split sound applications

Product withdrawal

SAW TV IF filters in SIP5K, SIP5D and DIP18D packages

In order to adapt the SAW multimedia product range to the needs of the market demand, TDK-EPC is withdrawing SAW TV IF filters for multimedia applications in the SIP5K, SIP5D and DIP18D packages and phasing out their production.

Affected products

Ordering code	Package
B39*M100	SIP5K
B39*M201	SIP5K
B39*A101	SIP5D
B39*A201	SIP5D
B39*F701	SIP5D
B39*G301	SIP5D
B39*N201	SIP5D
B39*N301	SIP5D
B39*X400	SIP5D
B39*X500	SIP5D
B39*L100	DIP18D

Deadline for last orders

September 30 2011

Last shipments by

September 30 2012

Substitute types

For EPCOS products in SIP5D and SIP5K packages TDK-EPC is offering substitute products from Baoke Electronic, a joint venture of EPCOS and Jiangsu Baotong Electronic & Technology. These products feature the original EPCOS design of the SAW filters themselves. Baoke Electronic has full IP rights.

For products in DIP18D packages TDK-EPC is offering the development of similar products in SMD ceramic package in cooperation with customers.

Sampling

Effective immediately, TDK-EPC will discontinue its sampling activities of products in SIP5K, SIP5D and DIP18D packages. For new projects, TV IF filter samples from Baoke will be provided.

Please address your inquiries to our sales / marketing.



Band select filters for TV, Tuner and Set Top Box applications

Passband MHz	Rejection band MHz	Type		Standard	Package	Features
0 - 790	832 - 862, 880 - 915	LX28	s	DVB-T VHF and UHF band	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
0 - 790	832 - 862, 880 - 915	B1670	s	DVB-T VHF and UHF band	QCC8F, 3.0 x 3.0 x 1.1 mm ³ ceramic	Single ended operation at 50Ω. Low loss and low ripple.
470 - 752 / 806	824 - 849, 880 - 915	B8743	s	SBTVD UHF-band	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
various	various		c, i	various		

- i: data sheet is available in Internet
- o: obsolete (not for new designs)
- s: Sample available (not yet in production)
- c: more filter types are available for the different standards and packages;
please contact your SAW filter counterpart (Sales / Marketing) for details
- p: pin configuration different from standard package
- h: high temperature stability



Band rejection filters and bandpass filters for Mobile TV applications

Passband MHz	Rejection band MHz	Type		Standard	Package	Features
470 - 770	830 - 840	B8741	i	ISDB-T 1-seg	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple. Suppression at 1.4279 GHz
470 - 770	830 - 845	B8742	i	ISDB-T 1-seg	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple. Suppression at 1.4279 GHz
470 - 770	824 - 840, 898 - 925	B8740	i	ISDB-T 1-seg	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple. Suppression at 1.4279 GHz
470 - 750	824 - 849, 880 - 915	B8745	s	DVB-H, SBTVD UHF-band	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
470 - 752 / 806	824 - 849, 880 - 915	B8743	s	SBTVD UHF-band	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
716.29 - 727.71	-	B9454	i	MediaFLO Ch.55 - Ch.56	1.4 x 1.1 x 0.4 mm ³	Impedance transformation from single ended 50Ω to balanced 100Ω. Low loss
1452 - 1492	-	B8755	i	T-DMB	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
2170 - 2200	-	B8757	s	DVB-SH	1.4 x 1.1 x 0.4 mm ³	Impedance transformation from single ended 50Ω to balanced 50Ω. Low loss
various	various		c, i	various		

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Bandpass filters for Dual Conversion

Center Frequency MHz	Type		Usable Passband MHz	Package	Application	Features
1216	B1618	i	8	QCC8D	Set Top Box, Cable Modem	Low loss and balanced operation at 200Ω
1220	B1605	i	28	QCC8D		Low loss and balanced operation at 200Ω
	B1610	i	8	QCC8D		Low loss and balanced operation at 200Ω
	B1614	i	8	QCC8D		Low loss and balanced operation at 100Ω
1250	B1645	i	8	QCC8F		Low loss and balanced operation at 100Ω
	B1642	i	96	QCC8D		Cable modem DOCSIS 3.0 standard. Low loss and balanced operation at 180Ω
1690	B1619	i	17.6	QCC8D		Low loss and balanced operation at 190Ω
various		c, i	various			

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Bandpass filters for Channel Stacking Switch and Satellite Channel Router applications

Center Frequency MHz	Type		Usable Passband MHz	Package	Application	Features
974.00	B1651	i	40	QCC8F	Channel Stacking Switch based on Entropic chipset for DirectTV Spectrum	Low loss and balanced operation at 150Ω.
1076.06	B1652	i				
1178.12	B1653	i				
1280.18	B1654	i				
1382.24	B1655	i				
1484.30	B1656	i				
1586.36	B1657	i				
1688.42	B1658	i				
1790.48	B1659	i				
1892.54	B1660	i				
1994.60	B1661	i	60		Channel Stacking Switch based on Entropic chipset for EU frequencies	Low loss and balanced operation at 150Ω.
2096.66	B1662	i				
1080	LW65	s				
1210	LW66	s				
1420	LW74	s				
1550	LW67	s				
1680	LW68	s				
1892	LW71	s				
2040	LW72	s	40.5	DCC6D	Satellite Channel Router based on STM chipset for EU Frequencies #1	Low loss and impedance transformation from balanced 200Ω to singled ended 75Ω
1284.00	B1641	i				
1400.00	B1634	i				
1516.00	B1635	i				
1632.00	B1636	i				
1748.00	B1637	i				
1864.00	B1638	i				
1980.00	B1639	i				
2096.00	B1640	i				
1210	B1665	i				
1420	B1666	i				
1680	B1667	i				
2040	B1668	i				
various		c, i	various			

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Electronic Parts and Components

Bandpass filters for Digital Radio applications

The table of recommended digital radio applications products has been integrated into the SAW Device Selection Table for Automotive Electronics applications.