



HD **SHOULDER**
好达

专业的声表厂商
SAW Device Expert

无锡市好达电子有限公司是国内外知名的声表面波器件的生产厂商。公司成立于1997年，2008年被评为国家级高新技术企业，并拥有ISO9001/TS16949质量体系 and ISO14001环境管理体系认证。

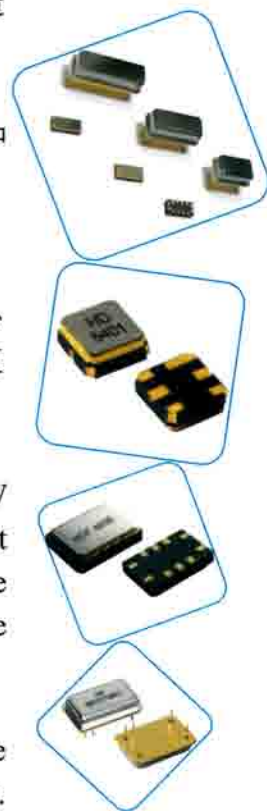
好达电子主要的产品包括声表面波滤波器、双工器、谐振器。产品广泛应用于手机、导航、通信基站、雷达、航天航空、汽车电子，及其它射频通讯领域。公司拥有强大的技术开发团队，且与国内著名的研究机构、大学合作，具有强大的原始创新能力，拥有多项自主知识产权，国内外发明专利和多项软件著作权。公司致力于研究技术的提升，高端技术的开发，扩大现有产品线与制程能力，以较强的竞争力保持技术领先优势。

公司表面波器件的产量、质量及技术指标已处于国内领先水平，与国际水平接近。公司依托高端技术的开发，先进的设备、强大的制程管理能力，全力打造“HD”的品牌。由于产品优异的性能，可靠性和性价比，好达公司已经成为世界声表面波器件市场的主要供应商之一，主要客户包括金立、宇龙、夏普、三星、阿尔卑斯、LG、摩托罗拉、中兴、海尔、长虹、TCL、海信等，并深受客户的赞誉。

“质量第一、顾客至上、管理科学、持续改进”是好达电子的质量方针，追求永无止境，为客户量身定做，以“高品质、专业化、低成本、高效率”为核心竞争力，在好达成长壮大的过程中，始终秉持企业、员工、客户三者共赢的价值理念。

Established in 1997, SHOULDER Electronics Limited is a well-known SAW devices company in the worldwide. SHOULDER is specialized in the development and production of SAW filters, SAW duplexers and SAW resonators, which are widely used in mobile phones, navigations, telecom equipments, automotive electronics, home automations and other RF and microwave industries.

In SAW area, SHOULDER has owned many technical patents and software copyrights developed by the strong R&D team with excellent innovation ability. SHOULDER has been certified ISO9001/TS16949 and ISO14001 for many years. With high technology, stable quality and competitive cost, SHOULDER has gained very good reputation and market share globally.



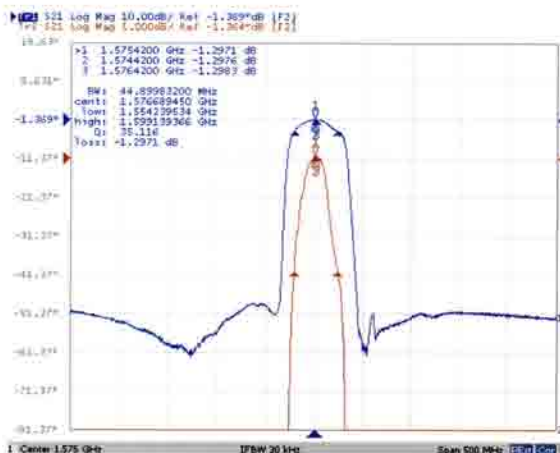
手机用双工器 和滤波器 SAW Filters/Duplexers for mobile phones

类别 Items	频段 Application	型号 P/N	频率范围 Bandwidth (MHz)	封装 Size(mm)
Duplexer	BAND1	Hddb01NSB-P4	1920-1980 2110-2170	2016,SB
		Hddb01NSB-B11		1814,SB
		Hddb01NSS-B11		1814,SS
	BAND5(DPX)	Hddb05NSB-P4	824-849 869-894	2016,SB
		Hddb05NSS-P4		2016 SS
		Hddb05NSB-B11		1814 SB
	BAND8(DPX)	Hddb05NSS-B11	880-915 925-960	1814 SS
		Hddb08NSB-P4		2016 SB
		Hddb08NSB-B11		1814 SB
Filter	GPS	Hdf1575M-B2	1574.42-1576.42	1411 SS
		Hdf1575E-B5		1109 SS
	GPS/GLONASS/COMPASS	Hdf1588E-B2	1597.78-1605.66	1411 SS
		Hdf1588E-B5		1109 SS
	WIFI Filter	Hdf2442E-B2	2400-2483	1411 SS
	BAND 38 TX	Hdfb38TSS-B2	2570-2640	1411 SS
	BAND 40 TX	Hdfb40CTSS-B2	2300-2400	1411 SS
	BAND 40 RX	Hdfb40RSB-B5	2300-2400	1109 SB
		Hdfb40RSS-B5		1109 SS
	B41 TX	Hdfb41TSS-B2	2555-2655	1411 SS
		Hdfb41RSB-B5		1109 SB
	B41 RX	Hdfb41RSS-B5	2555-2655	1109 SS
		Hdfb01RSB-B5		1109 SB
	BAND 1 RX SAW	Hdfb01RSS-B5	2110-2170	1109 SS
		Hdfb02RSB-B5		1109 SB
	B2 RX SAW	Hdfb02RSS-B5	1930-1990	1109 SS
		Hdfb03RSB-B5		1109 SB
	B3 RX SAW	Hdfb03RSS-B5	1805-1880	1109 SS
		Hdfb05RSB-B5		1109 SB
	B5 RX SAW	Hdfb05RSS-B5	869-894	1109 SS
Hdfb07RSB-B5		1109 SB		
B7 RX SAW	Hdfb07RSS-B5	2620-2690	1109 SS	
	Hdfb08RSB-B5		1109 SB	
B8 RX SAW	Hdfb08RSS-B5	925-960	1109 SS	

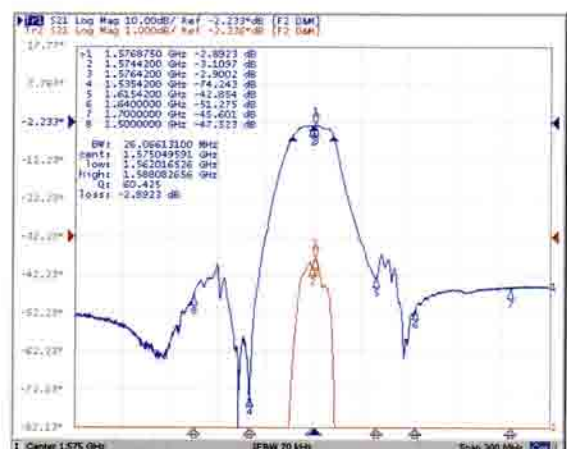
导航用滤波器 SAW Filters for GPS, GLONASS & COMPASS

应用 Application	产品型号 P/N	中心频率 Center Frequency (MHz)	使用带宽 Bandwidth (MHz)	尺寸 Size (mm)
GPS	HDF1575M-P2	1575.42	1574.42~1576.42	1.4x1.1
北斗COMPASS	HDF1207A-S6	1207	1197~1217	3.0x3.0
北斗COMPASS	HDF1268A-S6	1268.52	1258.29~1278.75	3.0x3.0
北斗COMPASS	HDF1561A3-S6	1561	1550.5~1571.5	3.0x3.0
GPS+北斗COMPASS	HDF1568E-S6	1568	1559~1577.42	3.0x3.0
GPS	HDF1575A1-S6	1575.42	1574.22~1576.62	3.0x3.0
GPS	HDF1575A2-S6	1575.42	1574.42~1576.42	3.0x3.0
GPS	HDF1575A4-S6	1575.42	1574.42~1576.42	3.0x3.0
GPS + GLONASS	HDF1590A6-S6	1590	1574~1606	3.0x3.0
GLONASS	HDF1602A-S6	1602	1597~1607	3.0x3.0
GLONASS	HDF1602A3-S6	1602	1597~1607	3.0x3.0
北斗 COMPASS	HDF1615A7-S6	1616	1611~1621	3.0x3.0
北斗 COMPASS	HDF2492A1-S6	2492	2487~2497	3.0x3.0

HDF1575M-P2



HDF1575A4-S6



基站用滤波器 SAW Filters for Base Station

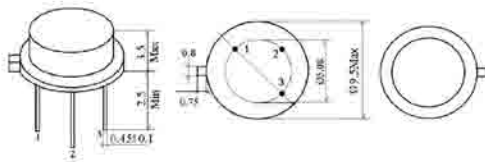
应用 Application	产品型号 P/N	中心频率 Center Frequency (MHz)	使用带宽 Bandwidth (MHz)	尺寸 Size (mm)
TD-LTE BAND40	F2345U	2345	50	3.0x3.0
TD-LTE BAND40	F2350E	2350	100	3.0x3.0
TD-LTE BAND41	F2605A	2605	60	3.0x3.0
TD-LTE BAND41	F2605T	2605	100	3.0x3.0
TD-LTE 34+39	HDD1897&2017M-S6	1897&2017	35&15	3.0x3.0
TD-SCDMA	F1900E	1900	40	3.0x3.0
W-CDMA	F1930E	1930	20	3.0x3.0
W-CDMA	F1950E	1950	60	3.0x3.0
TD-SCDMA	F2017E	2017.5	15	3.0x3.0
W-CDMA	F2120E	2120	20	3.0x3.0
W-CDMA	F2140E	2140	60	3.0x3.0
LTE 1500	F1447A	1447	40	3.0x3.0
LTE 1500	F1447A1	1447	40	3.0x3.0
DCS	F1722	1722.5	25	3.0x3.0
DCS	F1732	1732.5	45	3.0x3.0
DCS	F1747E	1747.5	75	3.0x3.0
DCS	F1G71	1765	30	3.0x3.0
DCS	F1770E	1770	30	3.0x3.0
DCS	F1722E	1772.5	25	3.0x3.0
DCS	F1G74	1775	20	3.0x3.0
DCS	F1817	1817.5	25	3.0x3.0
DCS	F1G80	1865	20	3.0x3.0
DCS	F1865E	1865	30	3.0x3.0
DCS	F1842E	1842.5	75	3.0x3.0
CDMA	F827A	827.5	15	3.0x3.0
CDMA	F830A3	830	10	3.0x3.0
CDMA	F833E	833	32	3.0x3.0
CDMA	F836E	836.5	25	3.0x3.0
CDMA	F836E1	836.5	25	3.0x3.0
CDMA	F872A	872.5	15	3.0x3.0
CDMA	F875A3	875	10	3.0x3.0
CDMA	F878E	878	32	3.0x3.0
CDMA	F881E	881.5	25	3.0x3.0
GSM	F897E	897.5	35	3.0x3.0
GSM	F897E4	897	35	3.0x3.0
GSM	F899E	899	20	3.0x3.0
GSM	F902E	902.5	25	3.0x3.0
GSM	F942E	942.5	35	3.0x3.0
GSM	F944E	944	20	3.0x3.0
GSM	F947E2	947.5	25	3.0x3.0

声表谐振器 SAW Resonator

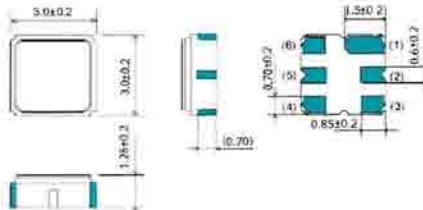
主要频率(MHz) Main Center Frequency	频率精度(KHz) Frequency Tolerance	封装 (Package)
292.00	+/-75	TO-39 F11 D11 S-6 S-8
303.825	+/-75	TO-39 F11 D11 S-6 S-8
315.00	+/-75	TO-39 F11 D11 S-6 S-8
318.00	+/-75	TO-39 F11 D11 S-6 S-8
390.00	+/-75	TO-39 F11 D11 S-6 S-8
423.22	+/-75	TO-39 F11 D11 S-6 S-8
433.92	+/-75	TO-39 F11 D11 S-6 S-8
868.35	+/-150	TO-39 F11 D11 S-6 S-8
915.00	+/-250	TO-39 F11 D11 S-6 S-8

注：我们可以根据您的需求订制频率和封装。
Note: We could make custom frequency and package.

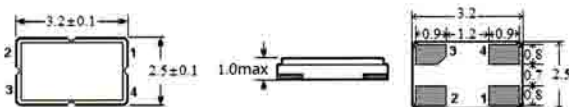
TO-39



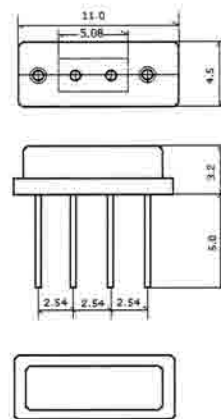
S-6



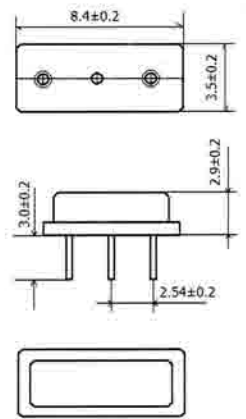
S-8



F11



D11



其它行业用滤波器 SAW Filters for other RF Industries:

- 无线对讲机 Two-way Radio
- 无线抄表 Smart Meter
- 无线麦克风 Wireless Microphone
- 无线耳机 Wireless Headset
- 卫星高频头 LNB
- 卫星收音机 Satellite Radio



主要指标 General specifications:

- 频率范围 Frequency range: 20Mhz --- 2.6GHz
- 相对带宽 Bandwidth: 0.1% --- 8% (refer to center frequency)
- 损耗和抑制 Insertion loss and rejection: 根据需要订制 TBD
- 封装 Package: 根据客户需要订制 TBD

Marketed By:



Indian Technological Products Private Limited

22-23, Type-B, Hartron Complex, Electronic City, Sector-18, Udyog Vihar, Gurgaon -122 016, Haryana (India)

Telephone: +91-124-4013646, 4013647 • Fax: +91-124-2398277

Email: sales@itpindia.in • www.itpindia.com • CIN: U74899DL1986PTC023265