

TRS-STAR

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TAI-SAW TECHNOLOGY

Applications

TRS-STAR DISTRIBUTOR OF **TST**

TST Products for Navigation

GPS, GLONASS, Galileo, Beidou and all GNSS

SAW Device				
P/N	Frequency (MHZ)	Insertion Loss(dB)	BW(MHZ)	Size(mm)
TA0757A (GPS band)	1575.42	0.9	2	1.4x1.1
TA1425A (GPS band (Low Loss))	1575.42	0.9	2	1.4x1.1
TA0440A (car antenna)	1575.42	2.9	2	3.0x3.0
TA1343A (GPS+GLONASS+Galileo+Beidou band)	1583	1.2	46.79	1.4x1.1
TA1661A (GPS+GLONASS+Galileo+Beidou band)	1583	2.1	46.79	1.4x1.1
TA1267A (GPS+GLONASS)	1588.655	1.25	34.47	1.4x1.1
TA0676A (GPS+GLONASS)	1592.5	2.6	43	3.0x3.0
XTAL/TCXO Device				
P/N	Frequency (MHZ)	Tolerance (ppm)	Voltage (V)	Size(mm)
TX0408B	26	±0.5	1.8	2.0x1.6
TX0360A	16.367667	±0.5	2.85	2.5x2.0
TX0279A	16.367667	±0.5	2.85	3.2x2.5
TX0275A	16.368	±0.5	2.85	3.2x2.5
TX0358A	16.368	±0.5	1.8	2.5x2.0
TX0455A	26	±0.5	2.85	2.5x2.0
TX0203A	26	±0.5	2.775	3.2x2.5
TX0395B	26	±0.5	2.8	2.5x2.0
TX0486A	26	±0.5	2.8	2.5x2.0
TZ1006A	32.768KHz	±20	Load=12.5pF	3.2x1.5
TM004A	26KHz	±10	Load=16pF	2.5x2.0
TX0344A	26KHz	±0.5	1.8V	2.5x2.0
Front End Module				
P/N	Frequency (MHZ)	Noise (ppm)	Gain (dB)	Size (mm ³)
TN0081A(GPS+GLONASS)	1575~1606	1.65	18.5	2.5x2.5x0.535
TN0046A(GPS)	1575	1.00	14.5	3.3x2.1x1.1
TN0085A(GPS+GLONASS+Galileo+Beidou band)	1575~1606	1.65	15.5	2.3x1.7x0.5

TST Products for Wireless Connectivity

Wifi, Bluetooth, CMMB, NFC, Analog TV, Combo chip

SAW/ XTAL/ TCXO Device				
P/N	Frequency(MHZ)	Load Capacitance (pF)	Tolerance (ppm)	Size(mm)
NFC				
TZ1897A	27.12	10	±10	2.0x1.6
TZ0633A	27.12	10	±10	3.2x2.5
TZ1261C	27.12	10	±10	2.5x2.0
Combo Chip				
TZ1778B	19.2	7	±10	2.5x2.0
TZ2593C	26	16	±8	2.0x1.6
TZ1987A	37.4	16	±10	1.6x1.2
TZ2206B	37.4	10	±10	2.0x1.6
TZ2099A	37.4	10	±10	2.5x2.0
TZ1188A	38.4	8.3	±10	2.0x1.6
TZ2323A	48	7	±10	2.0x1.6
TZ2322A	48	7	±10	2.5x2.0
TX0486A	26	Vol= 2.8V	±2	2.5x2.0
TX0395B	26	Vol= 2.8V	±0.5	2.5x2.0
WIFI				
TZ2801A	40	15	±10	2.5x2.0
TZ2323C	48	7	±7	2.0x1.6
TZ2810A	37.4	16	±10	3.2x2.5
TZ0502D	20	18	±10	3.2x2.5
TZ2300A	26	11.5	±7	2.5x2.0
TZ1478A	40	10.5	±10	2.5x2.0
TZ0977B	40	15	±10	2.5x2.0
TZ1421A	40	15	±10	3.2x2.5
TZ0475A	40	15	±10	3.2x2.5
TA0222A	2442	BW= 55 MHZ	IL=1.9 dB	3.0x3.0
TA0223A	2441.8	BW= 83.5 MHZ	IL=2.1 dB	3.0x3.0
TA1218A	2436	BW= 72 MHZ	IL=3 dB	1.4x1.1
TA1629A	2450	BW= 100 MHZ	IL=1.6 dB	1.4x1.1
Bluetooth+FM				
TZ1187A	26	9	±10	2.0x1.6
TZ0260A	26	12	±10	3.2x2.5
TZ2701A	32	12	±10	2.5x2.0
TZ1987B	37.4	16	±10	1.6x1.2

TST Products for Low Power & ISM Band

Smart Metering, W/L Audio, Remote Controls,
Alarm & Security, Health & HID, Medical

SAW Device				
P/N	Frequency(MHZ)	Insertion Loss(dB)	Band Width(MHZ)	Size(mm)
TA0437A (M-bus)	169	1.5	6	5.0x5.0
TA0801A	866	2.3	7	3.0x3.0
TA0257A	868.3	2.7	1.5	3.8x3.8
TA0659A	868.3	2.9	1.5	3.0x3.0
TA1457A	869.6	2.4	1	3.0x3.0
TA0281A	915	2.2	26	3.0x3.0
TA1294A	915	2.5	26	1.4x1.1
TA0223A	2441.8	2.1	83.5	3.0x3.0
TA0222A	2442	1.9	55	3.0x3.0
TA1404A	869	2.3	2	3.0x3.0
TA1423A	915	1.9	26	1.4x1.1
P/N	Frequency(MHZ)	Insertion Loss(dB)	Tolerance(KHz)	Size(mm)
TC0274A	315	1.5	±75	3.0x3.0
TC0182B	315	1.6	±100	3.8x3.8
TC433E2-A	433.92	1	±75	TO-39
TC0170C	433.92	1.6	±100	3.8x3.8
XTAL/TCXO Device				
P/N	Frequency(MHZ)	Load Capacitance(pF)	Tolerance(ppm)	Size(mm)
TZ2516A	11.998618	14	±15	HC49-SMD
TZ2095A	11.998618	14	±15	HC49-SMD
TZ2061A	11.998618	14	±15	5.0x3.2
TZ1917B	12.8	20	±10	3.2x2.5
TZ2594A	13.56	16	±15	HC49-SMD
TZ2595A	13.567188	16	±15	HC49-SMD
TZ2515A	13.573256	16	±15	HC49-SMD
TZ2059A	13.573256	16	±15	5.0x3.2
TZ2017A	13.573256	16	±15	HC49-SMD
TZ0384C	16	18	±20	3.2x2.5
TZ2234A	16	18	±20	HC49US
TZ1430A	30	10	±10	2.5x2.0
TZ0757B	30	10	±10	3.2x2.5
TZ1880D	32	10	±10	3.2x2.5
TZ2155B	32	10	±10	2.0x1.6
TZ2754A	32.768KHZ	12.5	±10	3.2x1.5
TZ2490A	25.228125	6	±10	2.0x1.6
TZ1958A	32	10	±10	HC49US
P/N	Frequency(MHZ)	Tolerance(ppm)	Voltage(V)	Size(mm)
TX0338E (ETSI class II)	30	±2	2.85	3.2x2.5

TST Products for Mobile

2G, 3G, LTE, Femtocell, Repeater, Base Station

SAW Device					
	P/N	Frequency(MHZ)	Insertion Loss(dB)	Band Width(MHZ)	Size(mm)
RF	TA1131A (LTE Band 14(UL))	793	1.3	10	3.8x3.8
	TA1121A (TD-SCDMA, Band A)	1902	1.8	34.9	1.4x1.1
	TA1126A (TD-SCDMA, Band B)	2017.5	1.3	15	1.4x1.1
	TF0066A (Duplexer, Band 5)	836.5/881.5	1.9	25	2.5x2.0
	TF0065A (Duplexer, Band 7)	1950/2140	1.2	60	2.5x2.0
IF	TB0194A	70	8	5	13.3x6.5
	TB0184A	70	21	3.5	13.3x6.5
	TB0203A	140	10.5	10	13.3x6.5
	TB0270A	240	7.7	20	7.0x5.0
	TB0677A	300	3.8	0.2	5.0x5.0
	TB1024A	872.4	18.2	4.5	13.3x6.5
XTAL/ TCXO Device					
	P/N	Frequency(MHZ)	Load Capacitance(pF)	Tolerance(ppm)	Size(mm)
	TZ1689A	26	7.3	±10	3.2x2.5
	TZ0495C	26	8	30±10	3.2x2.5
	TZ1432A	26	8	±10	2.5x2.0
	TZ1387A	26	11.2	±10	3.2x2.5
	TZ0928A	26	8.4	±10	3.2x2.5
	TM0003C	19.2	7	±10	2.5x2.0
	TM0002A	26	7	±10	2.5x2.0
	TM0005A	52	16	±10	2.5x2.0
	P/N	Frequency(MHZ)	Load Capacitance(pF)	Voltage(V)	Size(mm)
	TX0462A(Stratum III)	10	±1	3.3	7.0x5.0
	TX0472A(Femtocell)	19.2	±2	3.3	5.0x3.2
	TX0371B(UMTS)	26	±2	2.8	2.5x2.0
	TX0315B(UMTS)	26	±2	2.8	3.2x2.5
	TX0305A(Femtocell)	26	±2	3.3	3.2x2.5
	TX0445B(UMTS)	26	±2	2.85	2.5x2.0
	P/N	frequency (MHZ)	Tolerance (ppb)	Phase Noise(Hz)	Size(mm)
	TFE17 Series (OCXO)	5~100	200	10Hz/-125dBc, 100Hz/-125dBc, 1KHz/-145dBc 10KHz/-155dBc, 100KHz/-155dBc	25.8x25.8
	TFE45 Series (OCXO)	5~100	200	10Hz/-125dBc, 100Hz/-135dBc, 1KHz/-145dBc 10KHz/-155dBc, 100KHz/-155dBc	35.8x27
	TFE Series (OCXO)	10~80	200	10Hz/-125dBc, 100Hz/-135dBc, 1KHz/-145dBc 10KHz/-155dBc, 100KHz/-155dBc	9.0x11

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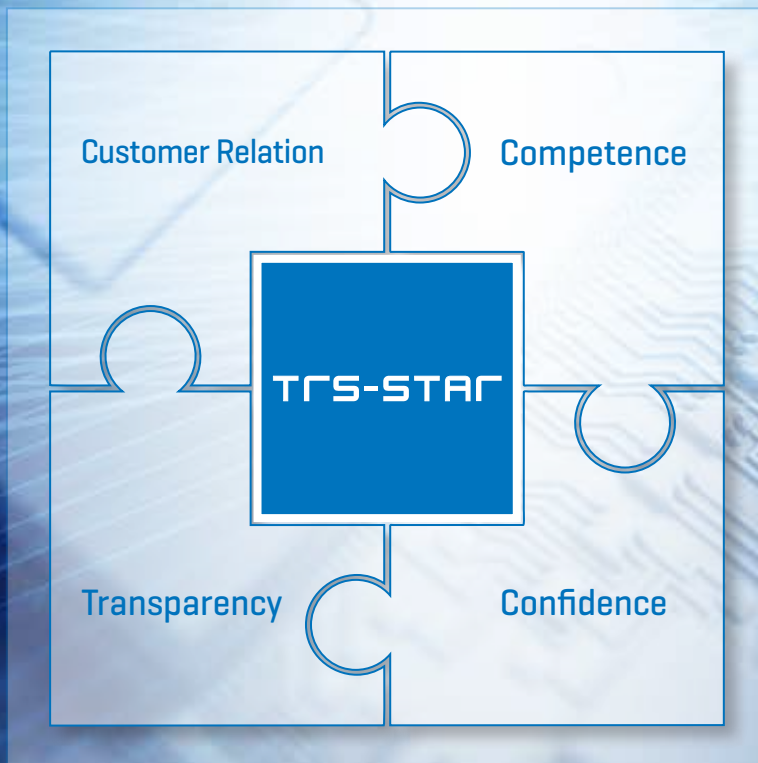
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