



# 昂欣 企業有限公司

**ON SHINE ENTERPRISE CO., LTD.**

11F.NO 722-6. JING PING ROAD

CHUNG HO CITY TAIPEI TAIWAN

TEL:886-2-22496895 FAX:886-2-22496175

E-mail:onshine@ms27.hinet.net

SAW Resonator

REV NO.:1

SAW Resonator					
P/N	Center Frequency(MHz)	Frequency tolerance(+/-kHz)	1-port/2-port	Package(mm)	Application
TC0267A	300	75	1-port	3.8x3.8x1.5	
TC0252A	302	75	1-port	5.0x5.0x1.7	Remote control
TC0287A	302	75	1	3.8x3.8x1.25	
TC0253A	303.6	75	1-port	5.0x5.0x1.7	Remote control
TC0143A	303.825	75	1-port	TO-39	Remote control
TC0140E	303.875	75	1-port	TO-39	Remote control
TC0141A	303.875	75	1-port	5.0x5.0x1.65	Remote control
TC0268A	310	75	1-port	3.8x3.8x1.5	
TC0173A	314.2	100	1-port	5.0x5.0x1.65	Remote control
TC0181A	314.35	50	1-port	3.8x3.8x1.3	Remote control
TC0260A	314.525	75	1-port	5.0x5.0x1.7	
TC0166A	315	150	1-port	F-11	Remote control
TC315GD-N	315	30	1-port	5.0x5.0x1.65	Remote control
TC315E2	315	75	1-port	TO-39	Remote control
TC315E1-A	315	75	1-port	F-11	Remote control
TC0274A	315	75	1-port	3.0x3.0x1.3	
TC315GD-A	315	75	1-port	5.0x5.0x1.65	Remote control
TC0182A	315	75	1-port	3.8x3.8x1.3	Remote control
TC0202A	315	75	1-port	TO-39	Remote control
TC0223A	315.15	100	1-port	F-11	Remote control
TC0255A	315.15	100	1-port	3.8x3.8x1.5	Remote control
TC0263A	315.15	75	1-port	5.0x5.0x1.7	
TC0231A	315.5	100	1-port	TO-39	Remote control

ON SHINE ENTERPRISE CO., LTD

## SAW Resonator

P/N	Center Frequency(MHz)	Frequency tolerance(+/-kHz)	1-port/2-port	Package(mm)	Application
TC0192A	315.5	75	1-port	3.8x3.8x1.3	Remote control
TC0213A	315.5	75	1-port	5.0x5.0x1.65	Remote control
TC0249A	368.805	25	1-port	3.8x3.8x1.5	Remote control
TC0276A	368.805	28	1-port	5.0x5.0x1.7	
TE0109A	390	100	1	5.0x5.0x1.7	
TC0251A	390	100	1-port	3.8x3.8x1.5	Remote control
TC0204A	390	100	1-port	5.0x5.0x1.65	Remote control
TC0180A	390	100	1-port	TO-39	Remote control
TC0165A	390	100	1-port	F-11	Remote control
TC0164A	390	150	1-port	TO-39	Remote control
TC0150A	390	75	1-port	5.0x5.0x1.65	Remote control
TC0151A	390	75	1-port	TO-39	Remote control
TC0239A	392.85	75	1-port	5.0x5.0x1.65	Remote control
TD0111A	403.55	121	2-port	TO-39	
TC0272A	403.55	75	1-port	3.0x3.0x1.1	
TC0215A	403.55	75	1-port	5.0x5.0x1.55	Remote control
TD0112A	414.25	121	2-port	TO-39	Remote Control
TC0117A	418	75	1-port	5.0x5.0x1.65	Remote control
TC0248A	433	100	1-port	3.8x3.8x1.5	Remote control
TC0241A	433.385	40	1-port	5.0x5.0x1.65	Remote control
TC0206A	433.42	75	1-port	5.0x5.0x1.65	Remote control
TC0203A	433.42	75	1-port	TO-39	Remote control
TC0194A	433.42	75	1-port	3.8x3.8x1.3	Remote control
TC433ID-A	433.42	75	1-port	5.0x5.0x1.65	Remote control
TC0279A	433.9	45	1-port	5.0x5.0x1.7	
TC433E2B	433.92	100	1-port	TO-39	
TC0232A	433.92	100	1-port	F-11	Remote control
TC0217A	433.92	150	1-port	5.0x5.0x1.65	Remote control
TC0158A	433.92	75	1-port	F-11	Remote control
TC0244A	433.92	75	1-port	3.0x3.0x1.1	Remote control
TC433E2-A	433.92	75	1-port	TO-39	

## SAW Resonator

P/N	Center Frequency(MHz)	Frequency tolerance(+/-kHz)	1-port/2-port	Package(mm)	Application
TC0201A	433.92	75	1-port	5.0x5.0x1.65	Remote control
TC0269A	433.92	75	1-port	5.0x3.5x1.25	
TC433E1	433.92	75	1-port	F-11	Remote control
TC0170A	433.92	75	1-port	3.8x3.8x1.3	Remote control
TC0157A	433.92	75	1-port	TO-39	Remote control
TC433ED-A	433.92	75	1-port	5.0x5.0x1.7	Remote control
TD0102A	433.92	75	2-port	TO-39	Remote control
TD0103A	433.92	75	2-port	5.0x5.0x1.65	Remote control
TC0219A	433.92	75	1-port	3.0x3.0x1.1	Remote control
TC0243A	433.966	75	1-port	5.0x5.0x1.65	Remote control
TC433H2-A	433.98	75	1-port	TO-39	Remote control
TD0114A	434.42	75	2-port	5.0x5.0x1.7	
TC434ED	434.42	75	1-port	5.0x5.0x1.65	Remote control
TC0261A	434.52	75	1-port	5.0x5.0x1.7	
TC0240A	435.7	75	1-port	TO-39	Remote control
TC0250A	435.72	75	1-port	5.0x5.0x1.7	Remote control
TC0280A	455	100	1	3.8x3.8x1.25	
TC0282A	460	100	1	3.8x3.8x1.25	
TC0238A	479.45	75	1-port	3.0x3.0x1.1	
TC0273A	500.3	50	1-port	3.8x3.8x1.5	
TC0137A	622.08	75	1-port	3.8x3.8x1.5	
TC0137A	622.08	75	1-port	3.8x3.8x1.3	Remote control
TC0200A	622.08	90	1-port	3.8x3.8x1.3	Remote control
TC0254A	622.164	50	1-port	3.8x3.8x1.5	Sonet
TC0172A	622.31	20	1-port	3.8x3.8x1.3	Remote control
TC0246A	622.31	30	1-port	3.0x3.0x1.1	
TC0264A	644.60859	30	1-port	3.8x3.8x1.5	
TC0270A	649.046	30-40	1-port	3.0x3.0x1.3	
TC0265A	657.4876	30	1-port	3.0x3.0x1.5	
TC0237A	666.6043	30	1-port	3.8x3.8x1.5	
TC0247A	666.761	30	1-port	3.0x3.0x1.1	
TC0236A	669.4169	30	1-port	3.8x3.8x1.5	

## SAW Resonator

P/N	Center Frequency(MHz)	Frequency tolerance(+/-kHz)	1-port/2-port	Package(mm)	Application
TC0224A	669.557	30	1-port	3.8x3.8x1.3	Remote control
TC0266A	690.65026	30	1-port	3.8x3.8x1.5	
TC0183A	740.545	125	1-port	3.8x3.8x1.3	Remote control
TC0184A	742.545	125	1-port	3.8x3.8x1.3	Remote control
TC0185A	745.795	125	1-port	3.8x3.8x1.3	Remote control
TC0186A	752.045	125	1-port	3.8x3.8x1.3	Remote control
TC0187A	772.42	125	1-port	3.8x3.8x1.3	Remote control
TC0188A	776.795	125	1-port	3.8x3.8x1.3	Remote control
TC0153A	801.556	125	1-port	3.8x3.8x1.3	Remote control
TC0175A	802.056	125	1-port	3.8x3.8x1.3	Remote control
TC0152A	803.306	125	1-port	3.8x3.8x1.3	Remote control
TC0176A	803.931	125	1-port	3.8x3.8x1.3	Remote control
TC0177A	804.681	125	1-port	3.8x3.8x1.3	Remote control
TC0178A	804.931	125	1-port	3.8x3.8x1.3	Remote control
TC0207A	868.275	75	1-port	5.0x5.0x1.65	Remote control
TC0193A	868.3	75	1-port	5.0x5.0x1.65	Remote control
TC0277A	868.35	100	1-port	3.8x3.8x1.5	
TD0110A	868.35	100	2-port	5.0x5.0x1.65	Remote control
TC0205A	868.35	150	1-port	3.8x3.8x1.3	Remote control
TC0138A	868.35	150	1-port	5.0x5.0x1.65	Remote control
TC0144A	868.35	200	1-port	5.0x5.0x1.65	Remote control
TC0145A	868.35	75	1-port	TO-39	Remote control
TC0196A	868.35	75	1-port	5.0x5.0x1.65	Remote control
TC0163A	868.35	75	1-port	3.8x3.8x1.3	Remote control
TC0278A	915	100	1-port	3.8x3.8x1.5	
TD0105A	915	150	2-port	5.0x5.0x1.65	Remote control
TC0234A	915	150	1-port	5.0x5.0x1.65	
TD0106A	915	150	2-port	5.0x5.0x1.65	Remote control
TC0154A	916.5	75	1-port	5.0x5.0x1.65	Remote control
TD1030EE	1030	200	2-port	9.1x7.1x2.2	Remote control
TD1090EE	1090	200	2-port	9.1x7.1x2.2	Remote control



**ON SHINE**

# 昂欣 企業有限公司

**ON SHINE ENTERPRISE CO., LTD.**

11F.NO 722-6. JING PING ROAD

CHUNG HO CITY TAIPEI TAIWAN

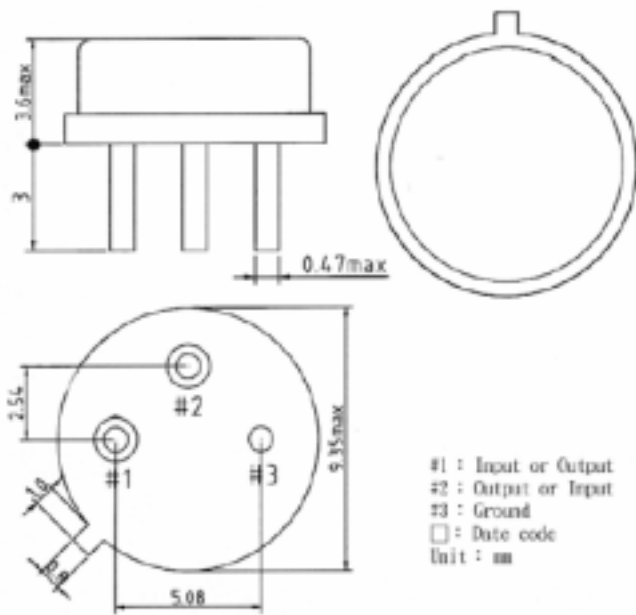
TEL:886-2-22496895 FAX:886-2-22496175

E-mail: onshine@ms27.hinet.net

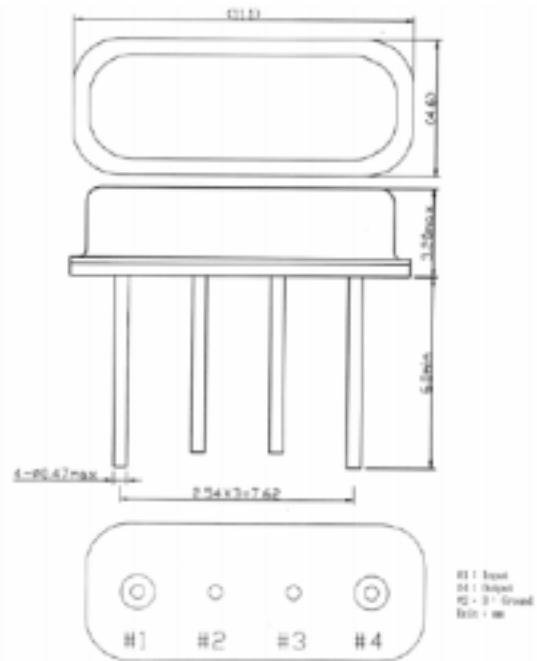
**OUTLING DRAWING**

MODEL NO.: TO39 / F11 / 5x5mm / 5x3.5mm / 3.8x3.8mm / 3x3mm / 2.5x2mm / 2x1.6mm REV NO.:1

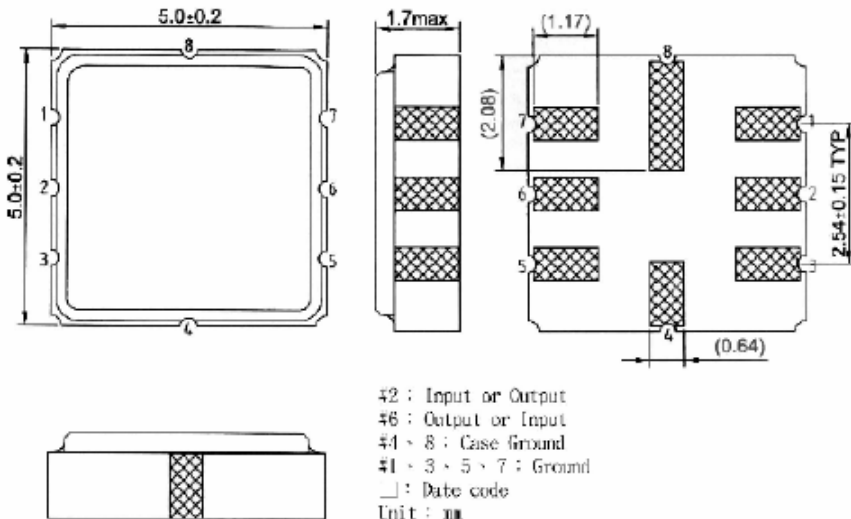
**TO 39**



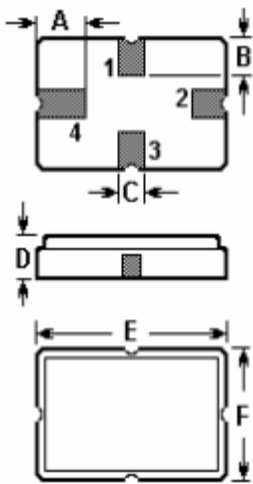
**F11**



**5x5/mm**



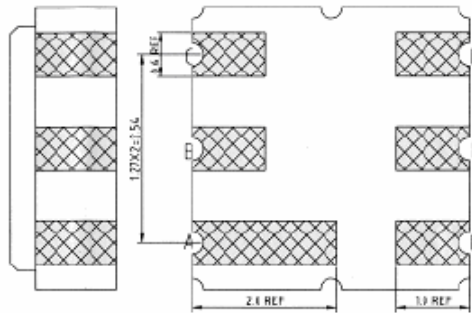
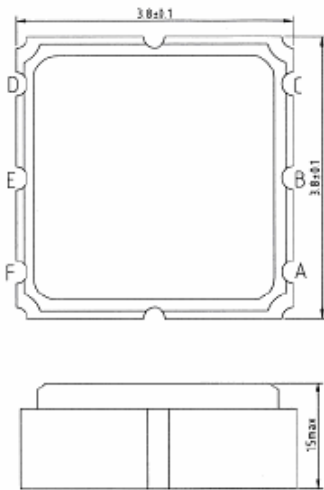
### 5x3.5/mm



Pin	Configuration
1	Input / Output
3	Output / Input
2/4	Case Ground

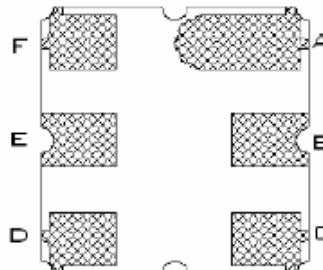
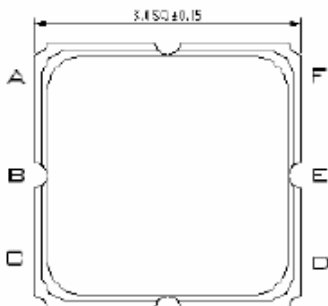
Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	1.2	D	1.4
B	0.8	E	5.0
C	0.5	F	3.5

### 3.8x3.8/mm



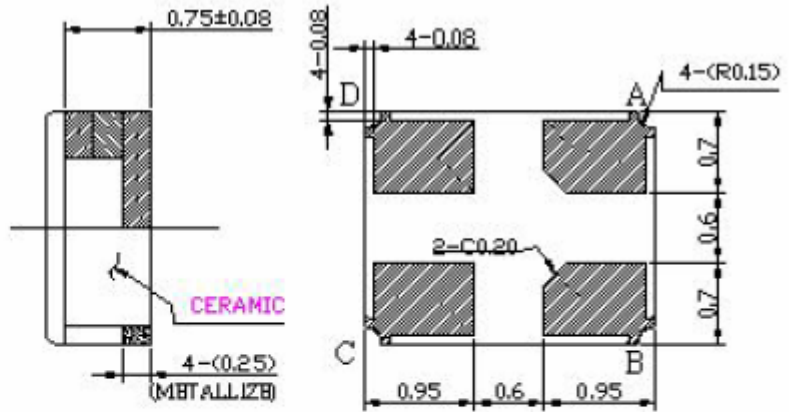
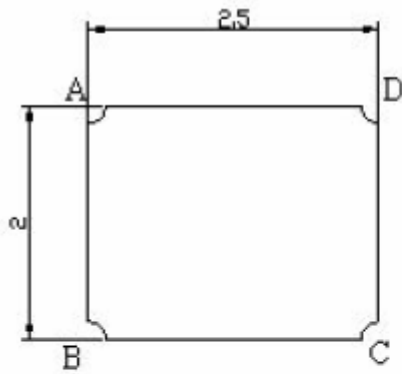
#E : Input or Output  
 #B : Output or Input  
 #A - C - D - F : Ground  
 □ : Date code  
 Unit : mm

### 3x3/mm



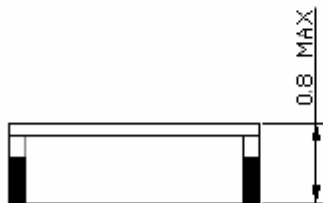
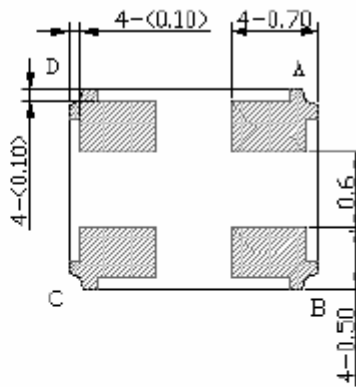
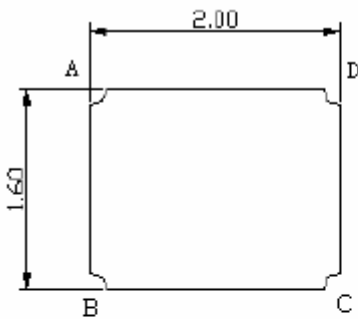
B:Input or Output  
 E:Output or Input  
 A,C,D,F:Ground  
 △ :Date Code for Year  
 □ :Date Code for Week  
 Unit:mm

**2.5x2/mm**



- B : Input
- D : Output
- A, C : Ground
- : Date Code
- Unit : mm

**2x1.6/mm**



- #B : Input
- #D : Output
- #A, C : Ground
- Unit : mm

- △ : Year Code
- : Date Code