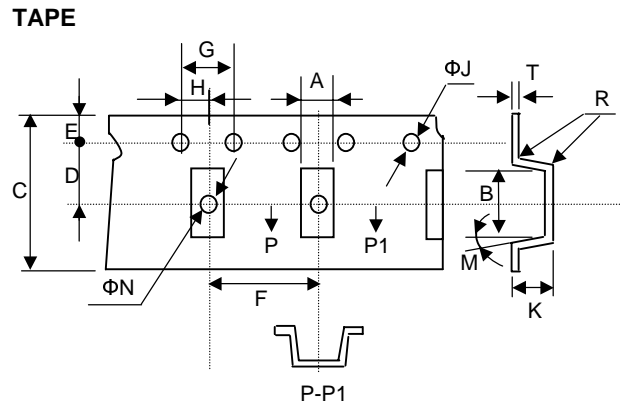
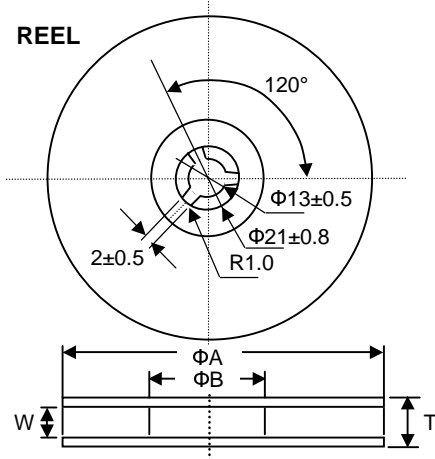




REEL DIMENSIONS (mm) typ: typical value					
ΦA	ΦB	W	T	Pieces per reel	Carrier tape size
179±2	60 typ	8.4 min	14.0max	3000 typ	8
179±2	60 typ	12.4 min	19.4max	3000 typ	12
179±2	60 typ	12.4 min	19.4max	1000 typ	12
179±2	60 typ	16.4 min	22.4max	1000 typ	16
330±3	80 min	12.4 min	19.4max	4000 typ	12
330±3	80 min	16.4 min	22.4max	4000 typ	16



TAPE DIMENSIONS (mm)															
Part Number	Code	A	B	C	D	E	F	G	H	ΦJ	ΦN	M	R	K	T
	Tolerance	±0.2	±0.2	±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	max	max	±0.2	±0.1
ZTACC□MG ZTTCC□MG		3.8	7.8	16.0	7.5	1.75	8.0	4.0	2.0	1.5	1.6	10°	0.3	2.1	0.3
ZTACR□MG ZTTCR□MG		2.2	4.7	12.0	5.5	1.75	4.0	4.0	2.0	1.6	1.6	3°	0.3	1.3	0.3
ZTACS□MT/MX ZTTCS□MT/MX		5.0	4.4	12.0	5.5	1.75	8.0	4.0	2.0	1.5	1.6	10°	0.3	1.8	0.3
ZTACV□MT/MX ZTTCV□MT/MX		3.4	4.0	12.0	5.5	1.75	8.0	4.0	2.0	1.5	1.6	10°	0.3	1.3	0.3
ZTACW□MX ZTTCW□MX		2.2	2.8	8.0	3.5	1.75	4.0	4.0	2.0	1.6	1.1	3°	0.3	1.3	0.2



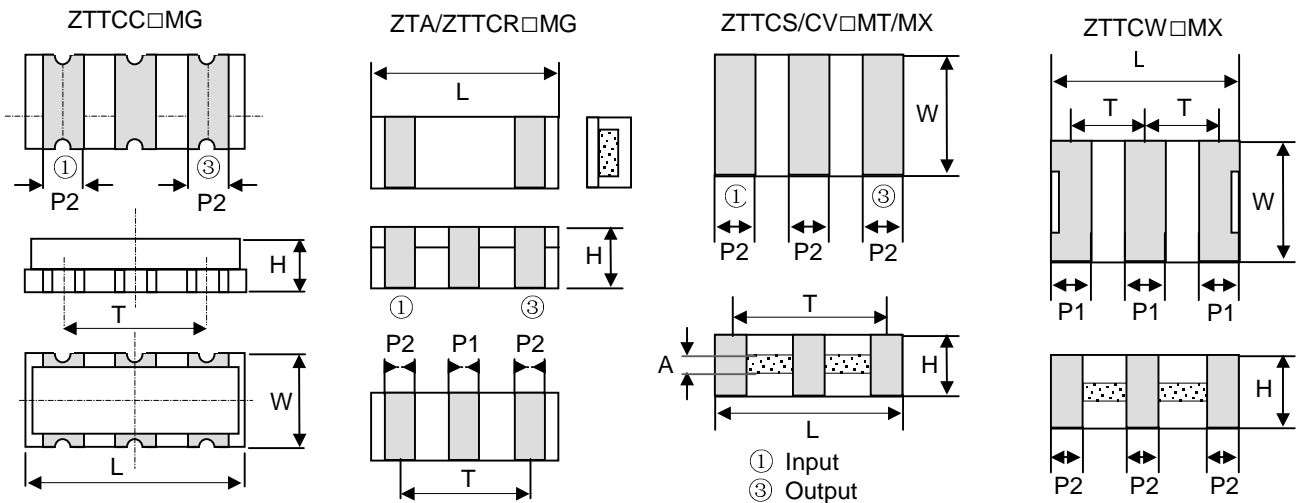
TOKEN MEANS QUALITY AND SERVICE

Ceramic Resonator	ZTACC/CR/CS/CV/CW□MG/MT/MX → Chip Type	1.79 - 50.0 MHz
	ZTTCC/CR/CS/CV/CW□MG/MT/MX → Chip Type	

ZTAC/ ZTTC series of Ceramic Resonator (Compatible to Murata CSAC\CATC)

Token ZTTC series of chip ceramic resonators features a built-in load capacitance. This feature eliminates any need for external loading capacitors and reduces component count, increases reliability and reduces size. These units are offered in the frequency range from 1.79 MHz to 50.00 MHz with an initial frequency tolerance of $\pm 0.5\%$. Token ZTAC series has two terminals, while ZTTC with three terminals.

ZTAC/ ZTTC TECHNICAL CHARACTERISTICS				
Part Number	Frequency Range (MHz)	Frequency Accuracy (%)	Stability in Temperature (-20°C ~ +80°C) (%)	Aging For Ten Years (%)
ZTACC□MG ZTTCC□MG	1.79 ~ 8.00	± 0.5	± 0.3	± 0.3
ZTACR□MG ZTTCR□MG	4.00 ~ 8.00	± 0.5	± 0.3	± 0.3
ZTA/ZTTCS□MT ZTA/ZTTCV□MT	6.00 ~ 13.00 8.00 ~ 13.00	± 0.5	± 0.4	± 0.3
ZTACS□MX ZTTCS□MX	13.01 ~ 50.00	± 0.5	± 0.3	± 0.3
ZTACV□MX ZTTCV□MX	16.00 ~ 50.00	± 0.5	± 0.3	± 0.3
ZTACW□MX ZTTCW□MX	20.00 ~ 45.00	± 0.5	± 0.3	± 0.3



DIMENSIONS OF ZTAC/ZTTC						
Part Number	Dimensions (Unit: mm)					
	L	W	H	P1	P2	T
ZTACC□MG ZTTCC□MG	7.4±0.2	3.4±0.2	1.8±0.2	1.2±0.2	1.2±0.2	5.0±0.3 2.5±0.3
ZTACR□MG ZTTCR□MG	4.5±0.2	2.0±0.2	1.2max	0.8±0.2	0.8±0.2	3.0±0.2 1.5±0.2
ZTACS□MT/MX ZTTCS□MT/MX	4.7±0.2	4.1±0.2	(1.2+A)±0.2	1.0±0.2	0.8±0.2	3.9±0.2 1.95±0.2
ZTACV□MT/MX ZTTCV□MT/MX	3.7±0.2	3.1±0.2	(1.0+A)±0.2	0.9±0.2	0.7±0.2	3.0±0.2 1.5±0.2
ZTACW□MX ZTTCW□MX	2.5±0.2	2.0±0.2	1.5max	0.5±0.2	0.4±0.2	2.0±0.2 1.0±0.2

- Note:**
1. A stands for thickness of the ceramic element, which varies with the frequency. The range of the thickness is 0.1 to 0.7mm.
 2. No middle terminal for ZTA series.



TOKEN ELECTRONICS IND. CO., LTD.

HONESTY PERFECTION SHARING

陶瓷谐振器系列 ZTAC/ZTTC

✓ SMD Ceramic Resonators - ZTAC / ZTTC

✉ **Inquiry:** rfq@tokenonline.net

Taiwan: No. 137, Sec. 1, Chung Shin Rd., Wu Ku Hsiang, Taipei Hsien, Taiwan, R.O.C
TEL: 886-2-2981 0109; FAX: 886-2-2988 7487

China: 3F South, Zhongxing Industry Bld., Changye Rd., Nanshan District, Shenzhen, Guangdong
TEL: 86-755-2605 5363, 2605 5364; FAX: 86-755-2605 5365

Share data. All participants upload data to blockchain shared storage in the data format agreed upon by the affiliate members, while other private data is still stored in their existing business systems. The participant encapsulates the data to be uploaded, signs it with its own private key address, and then generates block information.

Add the version number to the front of the private key, add the compression flag and additional check code after it, (the so-called additional check code, that is, the private key after 2 SHA-256 operations, take the first four bytes of the two hash results), and then it base58 encoding, you can get our common WALLET import Format format private key.

A private key file in PEM format that is protected with a different password. The researchers found that the password was specified in the profile WBCServer.properties, as shown in Figure 5. Fire Coin Global Station announced the opening o

f Dogecoin (DOGE) recharge operations on April 4 at 9:00 pm and THEGE/USDT, DOGE/BTC, DOGE/ETH transactions at 17:00 PM, and simultaneous opening of Dogecoin (DOGE) withdrawals.

On the other hand, for a separate pair of key pairs, compared to the direct storage of private keys, stored in keystore format plus password authentication encryption is more secure, storage is more convenient, you can refer to Ethereum proposal EIP2335 to give relevant recommendations.

Well, the price explosion of the past three days has pushed DOGE above the resistance level of \$0.0028 as it pushes higher. Among today's price increases, DOGE broke through \$0.0033, \$0.040, \$0.0047 and \$0.005 before falling to \$0.0055. DOGE is now back to \$0.004.

The private key is then delivered in a compressed WIFI format, but we will return the algorithm to a heptographic string that will be required to generate the public key later. Keystore is a file form

at that contains the private key encrypted by the user with a password, so it can be stored securely and propagation between computers (as long as the password does not exist on the same computer)

"Vote," "Wallet," "BCH," "scam" and "mainnet" were the fastest-growing topics in all three areas, "Korea," "Doge," "Doge," ""

ZIP212, which provides a comment plain text format for trading Sapling output to allow the recipient to check that the Diffie-Hellman key format is correct.

ZB Announcement on The Addition of DOGE/QC and DOGE/USDT Leveraged Trading Pairs and DOGE Financial Management.

According to DigiFinex, it will open DOGE recharge at 15:00 on April 26 and open pick-up at 18:00, synchronously launching DOGE/USDT, DOGE/ETH trading pairs. (DigiFinex)

Each order is a packet that contains parameters in the fixed format of the order type and related signatures. Order parameters are connected in key ascending order and sc

attered with 32 bytes by the Keccak SHA3 function. Order publishers use their private key to sign the hash of order parameters to produce ecDSA signatures.

The above interface can be used directly in Java business code, and the Java-SDK also provides the ability to load the private key stored in PEM format or PKCS12 format, please refer here for details.

Ness compares its tokens to other cryptocurrencies such as Bitcoin (BTC) and DOGE, and refers to EVAN tokens as currencies. This, he says, is better than "memecoin like DOGE or BTC because it has intrinsy value." "

The popular video with the hashtag "DOGE Shake Challenge" has attracted more than half a million views and uses the classic pull-up slogan "Let's get rich together!" DOGE is very cheap now. Jitter has 800 million users. Now it's only \$25 per person, and when the DOGE price rises to \$1, the \$25 investment becomes \$10,000. Tell your friends to move together! "

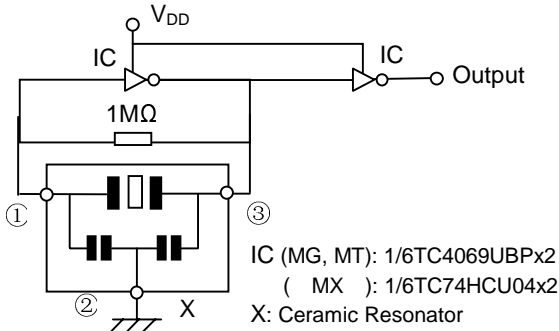
Changes In Apple And Relevant Market Caps 2008 To Current

	1/1/2008	3/28/2012	Cap Change	Period Growth
Total US Market	28,616,233	26,391,738	(2,224,495)	-8%
Tech Sector	3,199,414	3,424,447	225,033	7%
% Total Market	11%	13%	-10%	
AAPL	179,847	573,020	393,173	218%
% of Tech Sector	6%	17%	175%	
Core Apple Competitors				
IBM	67,124	7,130	(59,994)	-89%
NOV	146,437	20,600	(125,837)	-86%
SNE	57,388	21,130	(36,258)	-63%
DELL	49,900	29,000	(20,900)	-42%
HP	132,000	46,100	(85,900)	-65%
MSFT	342,100	270,000	(72,100)	-21%
Total	794,946	393,960	(400,986)	-50%

Source: Piper Jaffray, Thomson

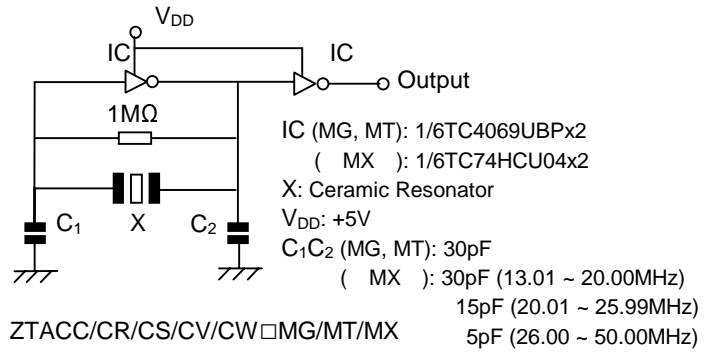


ZTTC TEST CIRCUIT FOR MOS IC



ZTCC/CR/CS/CV/CW □ MG/MT/MX

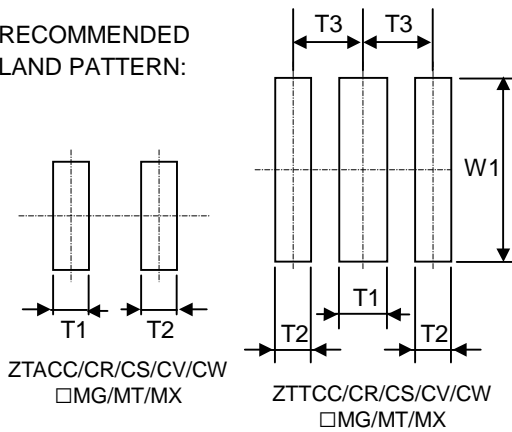
ZTAC TEST CIRCUIT FOR MOS IC



ZTACC/CR/CS/CV/CW □ MG/MT/MX

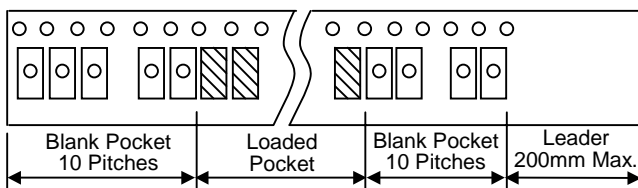
RECOMMENDED LAND PATTERN

RECOMMENDED LAND PATTERN:

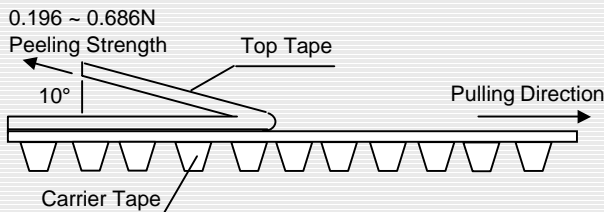


Part Number	Dimensions (Unit: mm)			
	T1	T2	T3	W1
ZTACC □ MG ZTTC □ MG	1.5±0.3	1.7±0.3	5.0±0.3 2.5±0.3	4.0±0.3
ZTACR □ MG ZTTCR □ MG	0.8±0.2	0.8±0.2	3.0±0.2 1.5±0.2	2.6±0.2
ZTACS □ MT/MX ZTTC □ MT/MX	1.3±0.2	0.8±0.2	3.9±0.2 1.95±0.2	5.0±0.2
ZTACV □ MT/MX ZTTCV □ MT/MX	1.0±0.2	0.7±0.2	3.0±0.2 1.5±0.2	4.1±0.2
ZTACW □ MX ZTTCW □ MX	0.5±0.2	0.5±0.2	2.0±0.2 1.0±0.2	2.6±0.2

PACKING METHOD



TEST CONDITION OF PEELING STRENGTH



RECOMMENDED REFLOW SOLDERING STANDARD CONDITIONS

