

SWISSDIS



Swissdis AG
Grasweg 7
CH-4911 Schwarzhäusern

Tel.: +41 62 919 44 00
Fax: +41 62 919 44 01
info@swissdis.ch
www.swissdis.ch

SPECIFICATIONS

Ceramic Resonators

ZTTC-Serie

Version September 2011

Ceramic Resonator

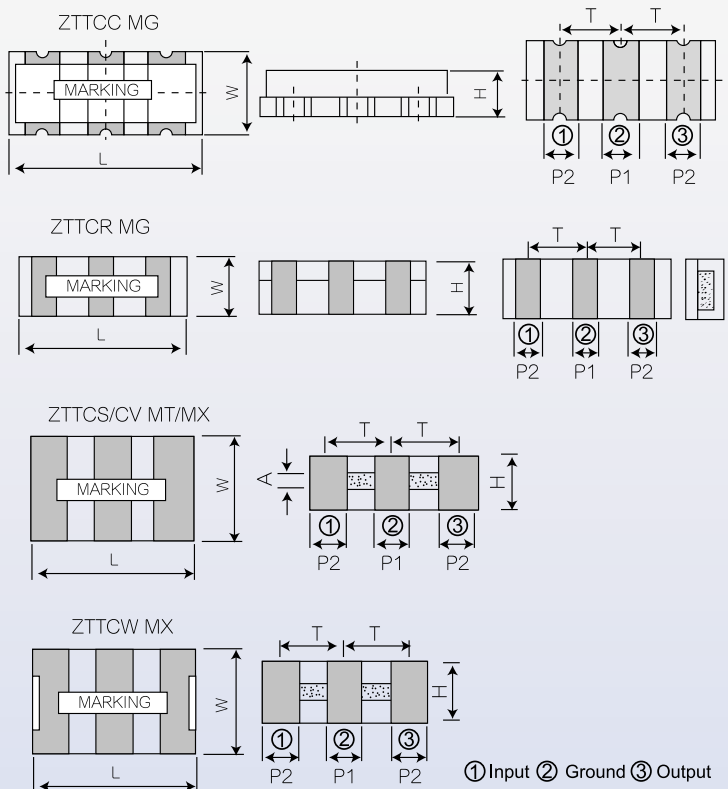
Built-in capacitor, ZTTC Series



SPECIFICATION

MODEL		ZTTC MG	ZTTCR MG	ZTTC S MT	ZTTCV MT	ZTTC S MX	ZTTCV MX	ZTTCW MX
Nominal Frequency	MHz	2.00-8.00	4.00-8.00	6.00-13.00	8.00-13.00	13.01-60.00	16.00-60.00	20.00-60.00
Frequency Tolerance (25°C)	%	±0.5						
Frequency Stability (-20~+80°C)	%	±0.3	±0.3	± 0.4	±0.4	±0.3	±0.3	±0.3
Operating Temperature Range	°C	-20 to +80						
Storage Temperature Range	°C	-55 to +85						
Aging for 10 years	%	±0.3						

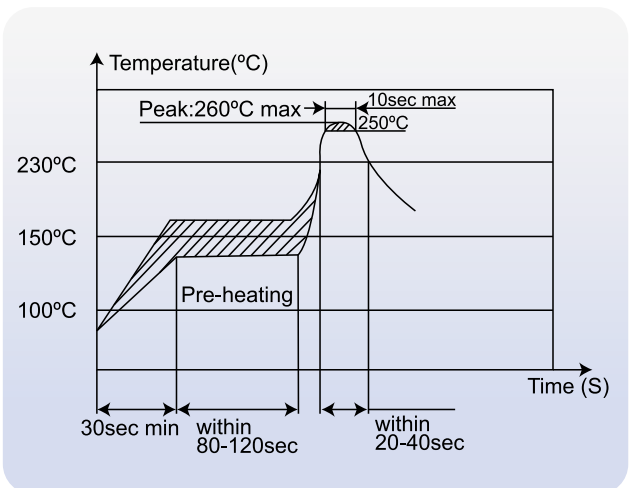
Dimension



Part Number	L	W	H	P1	P2	T
ZTTC MG	7.4±0.2	3.4±0.2	1.8±0.2	1.2±0.2	1.2±0.2	2.5±0.2
ZTTCR MG	4.5±0.2	2.0±0.2	1.2max.	0.8±0.2	0.8±0.2	1.5±0.2
ZTTC S MT/MX	4.7±0.2	4.1±0.2	(1.2+A*)±0.2	1.0±0.2	0.8±0.2	1.95±0.2
ZTTCV MT/MX	3.7±0.2	3.1±0.2	(1.0+A*)±0.2	0.9±0.2	0.7±0.2	1.5±0.2
ZTTCW MX	2.5±0.2	2.0±0.2	1.2max.	0.5±0.2	0.4±0.2	1.0±0.2

* A stands for thickness, which varies with the frequency.
The range of the thickness is 0.1 to 0.7mm.

Soldering Reflow Profile



Test Circuit for MOS IC

