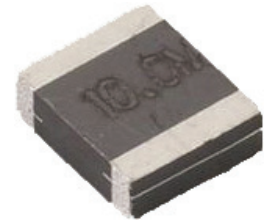


High temperature solder exemption  
In accordance with RoHS 2002/95/EC Annex 7

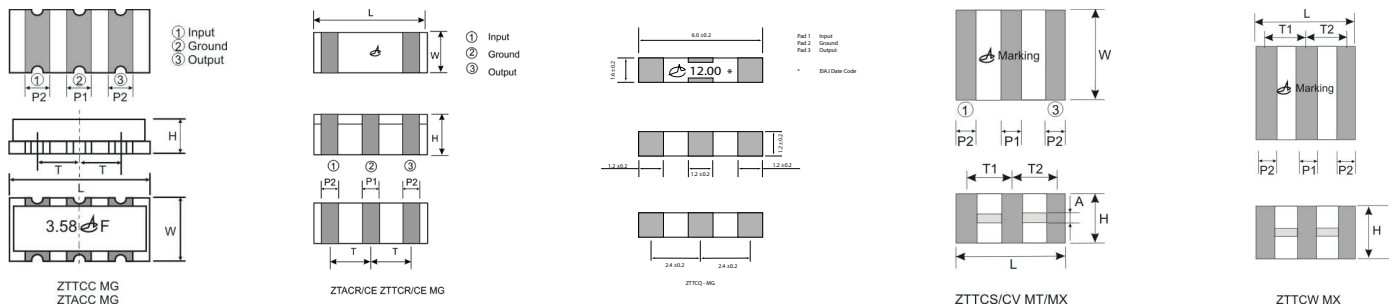
**Current part - Recommended for new designs**

## Standard Specifications

Parameter	Symbol	Specification						
		ZTACC	ZTACR	ZTA/ZTTCS	ZTACS	ZTTCQ	ZTACV	ZTACW
Model Type		ZTCC	ZTTCR	ZTA/ZTTCV	ZTTCS		ZTTCV	ZTTCW
Frequency Range (MHz)	$f_0$	1.79 to 8.00	3.0 to 8.00	6.0 to 13.00	12.0 to 60.00	6.0 to 13.0	16.00 to 60.00	20.00 - 60.00
Frequency Tol. at 25°C	$\Delta f/f$	±0.5%						
Frequency Stability	OTR	±0.3%						
Ageing for 10 Years	%	±0.3%						
Op. Temperature Range	$T_{OPR}$	-40°C to +85°C						



## Dimensions (mm)



Part Number		L	W	H	P1	P2	T	Reflow
ZTACC	MG	7.4 ±0.2	3.4±0.2	1.8±0.2	1.2±0.2	1.2±0.2	5.0±0.2	230°C
ZTCC	MG						2.5±0.2	
ZTACR	MG	4.5 ±0.2	2.0±0.2	1.2 Max	0.8±0.2	0.8±0.2	3.0±0.2	230°C
ZTTCR	MG						1.5±0.2	
ZTACS	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	230°C
ZTTCS	MT/MX						1.95±0.2	
ZTTCQ	MG	6.0 ±0.2	6.0 ±0.2	1.6 Max	1.2 ±0.2	1.2 ±0.2	2.4 ±0.2	230°C
ZTACV	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	230°C
ZTTCV	MT/MX						1.5±0.2	
ZTACW	MX	2.5±0.2	2.0±0.2	1.5 Max	0.5±0.2	0.4±0.2	2.0±0.2	230°C
ZTTCW	MX						1.0±0.2	

Land Pattern Dimensions		T1	T2	T3	W1	Land Pattern
ZTACC	MG	1.5 ±0.3	1.7 ±0.3	5.0 ±0.3	4.0 ±0.3	
ZTCC	MG			2.5 ±0.3		
ZTACR	MG	0.8 ±0.2	0.8 ±0.2	3.0 ±0.2	2.6 ±0.2	
ZTTCR	MG			1.5 ±0.2		
ZTACS	MT/MX	0.8 ±0.2	1.3 ±0.2	3.9 ±0.2	5.1 ±0.2	
ZTTCS	MT/MX			1.95 ±0.2		
ZTACV	MT/MX	0.7 ±0.2	1.0 ±0.2	3.0 ±0.2	4.1 ±0.2	
ZTTCV	MT/MX			1.5 ±0.2		
ZTACW	MX	0.5 ±0.2	0.5 ±0.2	2.0 ±0.2	2.6 ±0.2	
ZTTCW	MX			1.0 ±0.2		