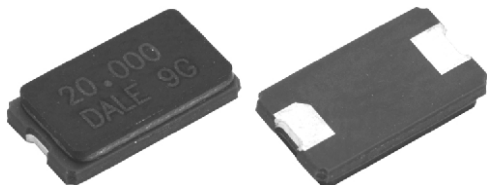


Surface Mount Crystal



The XT36C part is a miniature SMD crystal with 8.0 x 4.5 (mm) ceramic package and a height of 1.8 mm maximum. It is widely applied in notebook computer, PCMCIA, and communication equipment.

FEATURES

- Miniature size: 8.0 x 4.5 x 1.8 (mm)
- Wide frequency range
- Glass sealing
- Emboss tapping
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

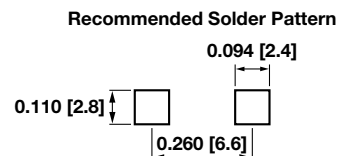
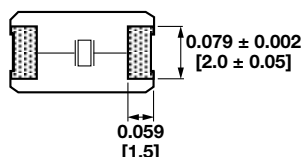
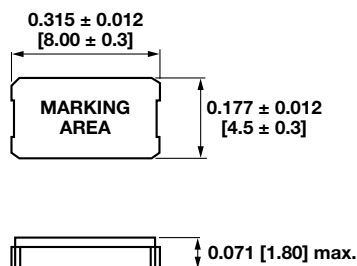
STANDARD ELECTRICAL SPECIFICATIONS

PARAMETER	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Frequency range	F _O		MHz	10.000	-	70.000
Frequency tolerance	ΔF/F _O	at 25 °C	ppm	-	± 50	-
Temperature stability	T _C	ref. to 25 °C	ppm	-	± 50	-
Operating temperature range	T _{OPR}		°C	- 10	-	+ 60
Storage temperature range	T _{STG}		°C	- 55	-	+ 125
Shunt capacitance	C ₀		pF	-	-	7
Load capacitance	C _L	customer specified	pF	10	-	series
Insulation resistance	I _R	100 V _{DC}	MΩ	500	-	-
Drive level	D _L		μW	-	10	500
Aging	Fa	at 25 °C, per year	ppm	- 5	-	+ 5

EQUIVALENT SERIES RESISTANCE (ESR) AND MODE OF VIBRATION (MODE)

FREQUENCY RANGE (MHz)	MAX. ESR (Ω)	MODE	FREQUENCY RANGE (MHz)	MAX. ESR (Ω)	MODE
10.000 to 10.999	110	fundamental	20.000 to 31.999	25	fundamental
11.000 to 14.099	50	fundamental	32.000 to 47.999	110	3 rd overtone
14.100 to 17.999	45	fundamental	48.000 to 70.000	100	3 rd overtone
18.000 to 19.999	30	fundamental			

DIMENSIONS in inches [millimeters]



**ORDERING INFORMATION**

XT36C	-20	24M	e4
MODEL	LOAD blank = series -12 = 12 pF -16 = 16 pF -20 = 20 pF -32 = 32 pF	FREQUENCY/MHz	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

X	T	3	6	2	0	H	2	4	M
MODEL				LOAD		PACKAGE CODE	FREQUENCY		

GLOBAL PART NUMBERING

X	T	9	S	2	0	A	N	A	4	0	M
MODEL NUMBER XT9S = XT49S XT9M = XT49M				LOAD CAPACITANCE 18 = 18 pF 20 = 20 pF NL = series to be specified by customer		PACKAGE CODE Tape and reel G = RF5 (XT9S) H = RF7 (XT9M) Bulk A = B04 (all models)	OPTIONS NA = no additional options RR = extended temperature of - 40 °C to + 85 °C Contact factory for all other options		FREQUENCY 4M = 4 MHz 40M = 40 MHz 100M = 100 MHz 12M288 = 12.288 MHz M is used as decimal place holder in frequency		
Example: XT49S-20 40M											
X	T	3	6	2	0	H	1	2	M		
MODEL NUMBER XT46 = XT46C XT36 = XT36C				LOAD CAPACITANCE 18 = 18 pF 20 = 20 pF NL = series to be specified by customer		PACKAGE CODE Tape and reel H = RF7	FREQUENCY 4M = 4 MHz 40M = 40 MHz 100M = 100 MHz 12M288 = 12.288 MHz M is used as decimal place holder in frequency				
Example: XT36C-20 12M											



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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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