SPECIFICATION SH

SPECIFICATION SHEET NO.	Q0501-CM14M75000S022
DATE	May 01, 2023
REVISION	A0
DESCRIPITION	SMD Ceramic Resonator, 3731 Type, L3.7*W3.1*H1.5mm, Built-in Capacitance, 3 pads, CRTV Series 14.7500MHz, Frequency Accuracy +/-0.5%, Operating Temp. Range -25°C ~+85°C, Reflow Profile Condition 260 °C Max. RoHS/RoHS III compliant, Tape/Reel
CUSTOMER	
CUSTOMER PART NUMBER	
CROSS REF. PART NUMBER	
ORIGINAL PART NUMBER	TGS CRTV 14.75MT-22 TLF
PART CODE	CM14M75000S022

VENDOR APPROVE
Issued/Checked/Approved NextGen Components, Inc. Mandy Xu NextGen Components, Inc. Ruby Zhang NextGen Components, Inc. Jack Zhang
DATE: May 01, 2023

CUSTOMER APPROVE
DATE:

SMD CERAMIC RESONATOR CRTV S

MAIN FEATURE

- SMD Ceramic Resonator, L3.7*W3.1*H1.5mm, 3 pads
- Low cost & Built-in Capacitance
- Reflow Profile Condition 260 °C Max.
- Wide Frequency Range
- Cross more competitors part
- RoHS III compliant

APPLICATION

- Bluetooth, wireless communication set
- Communication Electronics

RFQ
Request For Quotation

PART CODE GUIDE

CM	14M75000	S	022
1	2	3	4

1) CM: Part Code for SMD Ceramic Resonator, Built-in Capacitance, L3.7*W3.1*H1.5mm, 3 pads, CRTV series

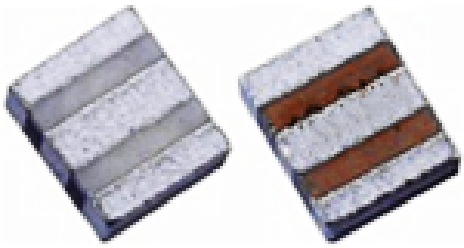
2) 14M75000: Frequency range code for 14.750000MHz

3) S: SMD type, Package Tape/Reel, 1000pcs/Reel

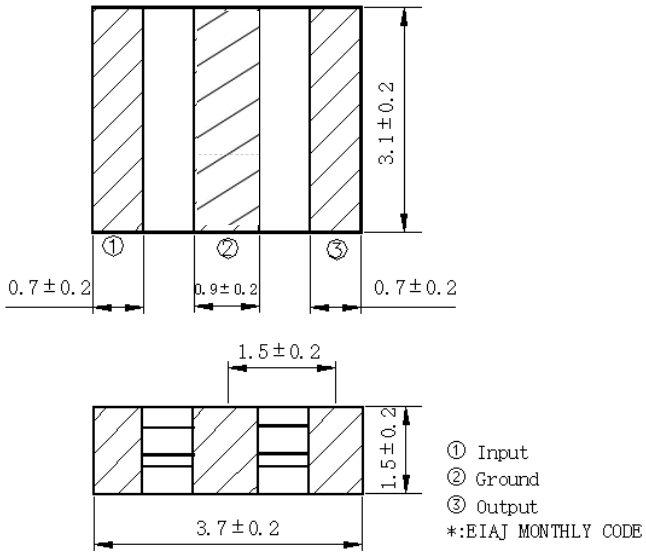
4) 022: Specification code for original part No.: TGS CRTV14.75MT-22 TLF

DIMENSION (Unit: mm)

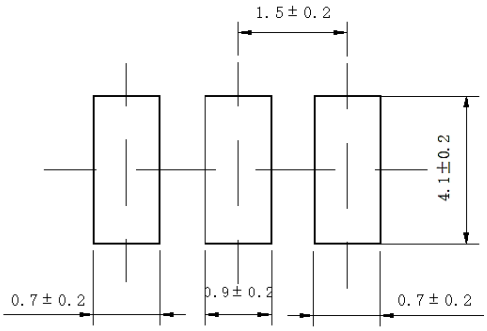
Image for reference



CRTV



Recommend Pad Layout



SMD CERAMIC RESONATOR CRTV S

ELECTRICAL PARAMETERS

Parameter		Part No. Symbol	Units	Value			Condition
				Min.	Typical	Max.	
Original Manufacturer		TGS	TGS Crystals				
Holder Type		CRTV	SMD Ceramic Resonator, L3.7*W3.1*H1.5mm, 3 pads				
Frequency Range		14.75	MHz	14.750			
Withstanding Voltage		MT	V	50			@DC, 1 min
Insulation Resistance			MΩ	500			@AV, 1 min.
Operation Temperance			℃	-25		+85	
Storage Temperance			℃	-55		+85	
Rating Voltage			V	6			DC
				15			p-p
Frequency Accuracy			%	0.5			
Resonant Impedance			Ω			40	
Temperature Coefficient of Oscillation Frequency			%			+/-0.3	Oscillation Frequency drift, -25℃~ +85℃)
Oscillation Frequency Aging Rate (10 years)			%			+/-0.3	From initial value
IC application				1/6TC74HCU04Px2			
Design Mode							
Built-in Capacitance		-22	pF	22pF (+/-20%)			
Other	Package	T	Tape/Reel				
	RoHS Status	LF	RoHS III compliant				
	Add Value						
	Internal Control Code*		N/A				

Note: 1) Original Part Number: TGSCRTV14.75MT22TLF

2) * Internal Control Code- 2 letter or digits; Blank: N/A