

ARGO Frequency Controlled Products Part Numbering Guide

AGX-20.000M-30-T49S-3rd-F-Y-O

AGX	20.000M	3.3V	30	T49S	3rd	F	Y	O	TR
Product Code	Frequency (Total 5 Digits)	Voltage (for Oscillator, TCXO only)	Load Capacitance (Crystal Only)		Value Added Services	Frequency Tolerance @+25°C	Operating Temperature	Frequency Tolerance Over Temperature	
AGX:Xtal Units AGXO:Xtal Oscillators AGTCO: TCXO AGVCO: VCXO AGVCTCO: VC-TCXO AGOCXO: OCXO AGMCF: Xtal Filter AGCF: Ceramic Filters AGCR: Ceramic Resonators AGSD: Saw Devices	20.000M = 20.00MHz 32.768k = 32.768kHz	5V=5V 3.3V=3.3V 2.5V=2.5V 1.8V=1.8V	30 = 30PF S = Series		3rd = 3rd Overtone 5rd = 5rd Overtone 7rd = 7rd Overtone SL = Sleeved TL = TTL CS = CMOS HCS = HCMOS TC = TTL/CMOS LVP = LVPECL LVD = LVDS HCL = HCSL SIN = Sine Wave CSIN = Clipped Sine Wave	Blank : STD Crystal: ±30 ppm Oscillator: ±100 ppm A = ±100 ppm H = ±5 ppm B = ±75 ppm I = ±2.5 ppm C = ±50 ppm J = ±2 ppm D = ±25 ppm K = ±2.5 ppm E = ±20 ppm L = ±1 ppm F = ±15 ppm M = ±0.5 ppm G = ±10 ppm a = ±30 ppm e = ±18 ppm h = ±45 ppm y = ±4.6 ppm	Blank =STD Crystal: (-10°C ~ +70°C) Oscillator: (-10°C ~ +70 °C) W= +10°C ~ +70 °C u= +40°C ~ +145 °C X= -20°C ~ +70 °C Y= -30°C ~ +75 °C Z= -40°C ~ +85 °C f= -20°C ~ +80 °C t= -40°C ~ +105 °C r= -20°C ~ +85 °C n= -40°C ~ +125 °C m= -20°C ~ +105 °C j= 0°C ~ +60 °C i= 0°C ~ +85 °C g= -30°C ~ +85 °C	Blank : STD Crystal: ±30 ppm Oscillator: ±100 ppm O = ±50 ppm S = ±5 ppm P = ±30 ppm T = ±2.5 ppm Q = ±15 ppm U = ±2 ppm R = ±10 ppm V = ±0.5 ppm b = ±20 ppm d = ±25 ppm	Blank = Bulk TR =Tape and Reel TB =Tube PT =Plate I = Insulator 3L =Third Lead

PACKAGE										
THROUGH HOLE (T)				SMD(S)						
Crystal Units		VCTCXO		Crystal Units		Saw Devices		MCF		
-T49U	HC-49U	-TVT1	VTO-001A	-S49UG	HC-49UGull-wing	-SSTC2520	2520 (4 pads)	--SFUG	UM Series Gull Wing	
-T49S	HC-49/S (3.5mm)	-TVT3	VTO-003A	-S49S	HC-49/S (4.2mm)	-SSR11	F-11 SMD	--SF9G	49U Series Gull Wing	
-T49SS	HC-49/SS(2.5mm)	-TVT4	VTO-004	-S49SS	HC-49/SS(3.2mm)	-SSR8C	5x5 (8 pads)	--SF75	SF-S7050	
-T49S+	HC-49/S+(2.0mm)	-TVTO	VTO-010	-S49S+	HC-49/S+(2.8mm)	-SSR4A	5x5 (4 pads)	Ceramic Resonator		
-TU1	UM-1	OCXO		-S49S++	HC-49/S++(2.5mm)	-SSR8B	3.8x3.8 (8 pads)			
-TU4	UM-4	-T14	14 pin	-SU1	UM1	-SSRC6	3.8x3.8 (6 pads)			-SZTA/-SZTT CCMG
-TU5	UM-5	MCF		-SM1G	UM1 Gull-wing	-SSRC8D	3x3 (8 pads)			-SZTA/-SZTT CRMG
-T15	1.5x5mm			-SM4G	UM4 Gull-wing	-SSRC6C	3x3 (6 pads)	-SZTA/-SZTT CSMT		
-T26/M	φ2x6mm			-SM5G	UM5 Gull-wing	-SSF11	F-11 SMD	-SZTA/-SZTT CVMT		
-T38	φ3x8mm			-SM315	M315	-SSF8C	5x5 (8 pads)	-SZTA/-SZTT CSMX		
-T39/M	φ3x9mm			-SM415	M415	-SSF4A	5x5 (4 pads)	-SZTA/-SZTT CVMX		
-T310M	φ3x10mm	-TFU5	UM5	-SM519	M519	-SSF8B	3.8x3.8 (8 pads)	-SZTA/-SZTT CWMX		
T26F	蛙腳	-TF6	6 Poles Metal	-SM136	M136	-SSFC6	3.8x3.8 (6 pads)	For example: AGX – 20.000M – 30 – T49S – 3rd – F – Y – O		
T26C	彎腳	-TF8	8 Poles Metal	-SM200S	M200S	-SSFC8D	3x3 (8 pads)			
Oscillators				-S26R	φ2x6mm, 蛙腳	-SSFC6C	3x3 (6 pads)			
-T14	14 Pin	Ceramic Filters		-S7050	7050	TCXO				
-T8	8 Pin	-TCF2U	3 Pin Rectangle	-S7050A	7050 (2 pad)	-ST7050	7050			
TCXO		-TCFW	5 Pin Rectangle	-S6035	6035	-ST5032	5032			
-TT01	TCO-001A	-TCFD	5 Pins Disc	-S6035A	6035 (2 pad)	-ST3225	3225			
-TT03	TCO-003A	Ceramic Resonators		-S5032	5032	VCXO				
-TT04	TCO-004	-TZTA	MHz 2 Pin Disc	-S5032A	5032 (2 pad)	-SV7050	7050(4 pads)			
-TT14	TCO-014	-TZTB	kHz 2 Pin	-S4025	4025	-SV70506	7050(6 pads)			
VCXO		-TZTT	MHz 3 Pin Disc	-S3225	3225	-SV5032	5032			
-TV14	14 Pin	Saw Devices		-S2520	2520	-SV3225	3225			
-TV8	8 Pin	-TSR39	TO-39	-S2016	2016	VCTCXO				
				Oscillators		VCTCXO				
				-S7050	7050	-SVT7050	7050			
				-S6035	6035	-SVT5032	5032			
				-S5032	5032	-SVT3225	3225			
				-S4025	4025					
				-S3225	3225					
-S2520	2520									

Crystal Units
Freq.: 20MHz
Load capacitance: 30pF
Package: DIP GC-49/S
Wave Form: 3rd overtone
Frequency tolerance at 25°C: ±15 ppm
Operating Temperature: -30°C ~ +75 °C
Frequency tolerance over temperature: ±50 ppm

AGXO - 20.000M - 3.3V - T8 - TC - C - W
Crystal Oscillator
Freq.: 20MHz
Voltage: 3.3V
Load capacitance: N/A
Package: 8 pin
Test circuit: TTL/CMOS
Frequency tolerance at 25°C: ±50 ppm
Operating Temperature: 0°C ~ +70 °C
Frequency tolerance over temperature: ±100 ppm