

FEATURES

PETERMANN

TECHNIK

Time & Frequency Components

- HIGH RELIABILITY FOR LOW COST
- LOW PROFILE - 2.5 MM MAX. PACKAGE HEIGHT
- EXTENDED TEMPERATURE RANGE TO -40/+125°C
- CHEAPEST AVAILABLE SMD-CRYSTAL
- EXCELLENT CLOCK SIGNAL GENERATOR FOR CPU'S
- QUALIFIED FOR QUOTMOTIVE APPLICATIONS

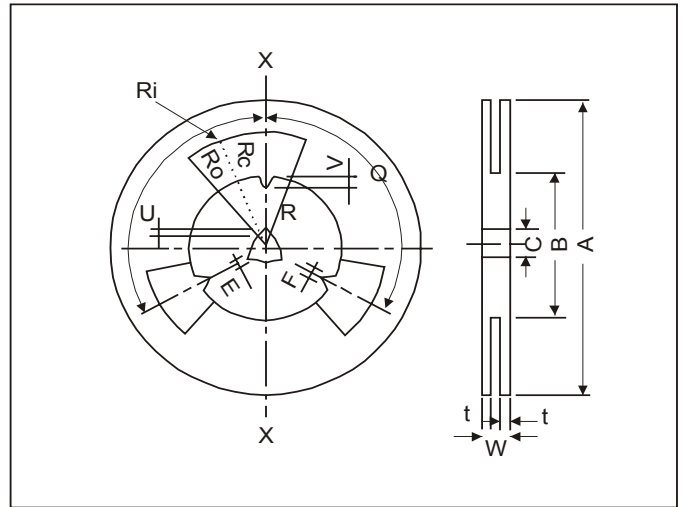
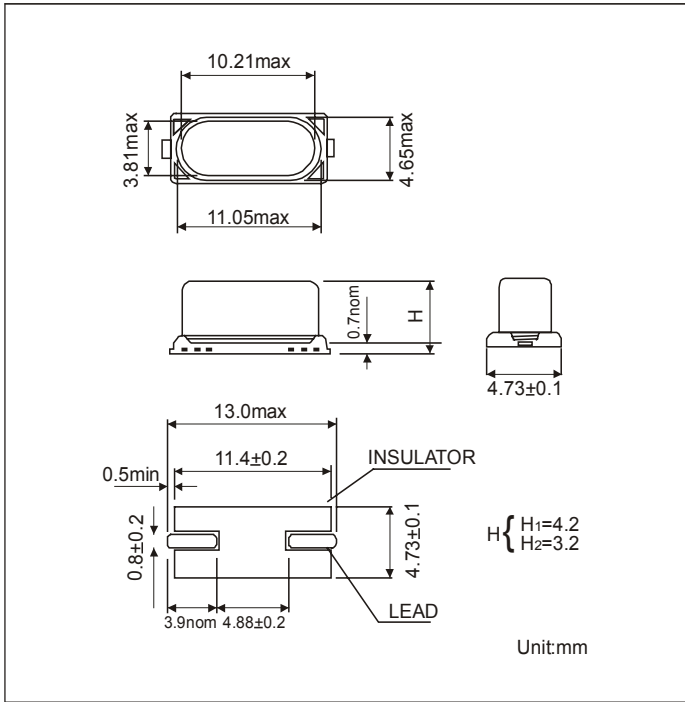
COFDM DEMODULATOR TYPE		STV0360/0361 STMicroelectronics
SERIES		HC-49/US-SMD
PACKAGE HEIGHT	STANDARD	4.2 mm max.
	OPTION	3.2 mm max. or 2.5 mm max.
FREQUENCY		27.000 MHz
MODE OF VIBRATION		AT-FUNDAMENTAL
RESONANCE RESISTANCE		25 Ω max. (8 Ω typical)
FREQUENCY TOLERANCE AT 25°C		+50 ppm
WORKING TEMPERATURE RANGE		-20/+70°C
OPERABLE TEMPERATURE RANGE		-40/+85°C
TEMPERATURE STABILITY		+50 ppm
LOAD CAPACITANCE		10 pF
SHUNT CAPACITANCE		4.5 pF max. (3.8 pF typical)
MOTIONAL CAPACITANCE C1		18 fF max. (15.7 fF typical)
DRIVE LEVEL		0.5 mW
AGING		+5 ppm max. per year
INSULATION RESISTANCE		>500 M Ω DC/100V +-10%
PACKAGE		TAPE AND REEL (1.000 PCS PER REEL)
<u>OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION</u>		

PART NUMBERING SYSTEM

EXAMPLE	HC-49/US-SMD 4.2 27.000 MHz STV0360/0361
TYPE	HC-49/US-SMD
PACKAGE HEIGHT	4.2 for 4.2 mm
	3.2 or 2.5 for 3.2 or 2.5 mm
COFDM DEMODULATOR TYPE	STV0360/0361

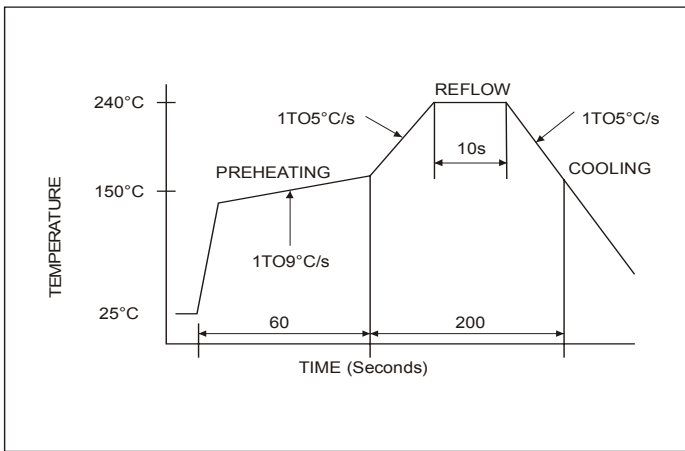
OUTLINE DRAWING OF HC-49/US-SMD

REEL SPECIFICATION

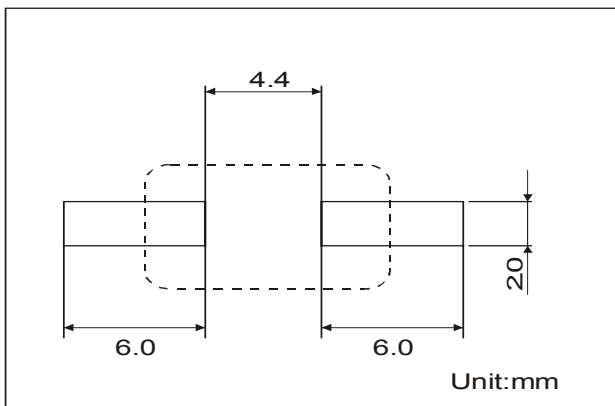


Description		Symbol	Dimensions	
Flange	Diameter	A	$\varnothing 330 \pm 2.0$	
	Thickness	t	2.4 ± 0.2	
	Width Between Flanges	W	$24.4^{+2.0}_{-0}$	
Center Core	Outline Diameter	B	$\varnothing 100 \pm 2.0$	
	Center Core Slit	Width	F	2.3 ± 1.0
		Deep	V	6 ± 1.0
		Position	Q	$120^\circ \pm 3^\circ$
	Spindle Diameter	C	$\varnothing 13 \pm 0.5$	
	Key Seats	Width	E	$2.5^{+0.5}_{-0}$
Deep		U	5 ± 0.5	
Position		Q	$120^\circ \pm 3^\circ$	
Fenestra	Outline Radius	R0	$R90 \pm 1.0$	
	Inline Radius	Ri	$R40 \pm 1.0$	
	Rounded Corners	Rc	R5	
	Open Angle	R	$40^\circ \pm 2^\circ$	

REFLOW SOLDER PROFILE



RECOMMENDED PAD LAYOUT



TAPING SPECIFICATION

