

SPECIFICATION DELTA VCO MODULE

MODLE NO: VCX2074UT60

1. Electrical Characteristics

1.1 Operating Frequency	(VT=0.5V)	$\leq 2023\text{MHz}$
	(VT=2.2V)	$\geq 2125\text{MHz}$
1.2 Tuning Sensitivity		$80\pm 10\text{MHz/V}$
1.3 Power Output	Vt=(0.0~3.0)V	$0\pm 3\text{dBm}$
1.4 Pushing Figure (max)	(VCC=2.84 $\pm$ 0.1V)	$\pm 2\text{MHz}$
1.5 Pulling Figure (max)		$\pm 3.0\text{MHz}$
	(VSWR=2.0:1, For All Phase, Ref.=50 Ω)	
1.6 Spurious Response(2 nd Harmonics)		$\leq -15\text{dBc}$
1.7 Phase Noise(C/N) (At 10KHZ Offset)		$\leq -90\text{dBc/Hz}$
1.8 Phase Noise(C/N) (At 100KHZ Offset)		$\leq -110\text{dBc/Hz}$
1.9 Output Impedance		50 Ω
2.0 Tuning Port Capacitance		$\leq 100\text{pF}$

1. Ratings

2.1 Supply Voltage (VCC)	2.84 V
2.2 Supply Current	≤ 15
2.3 Tuning Voltage (VT)	0.5~2.2V
2.4 Operating Frequency	2023~2125MHz
2.5 Operating Temperature Range	-40~85 $^{\circ}\text{C}$
2.6 Absolute Maximum Ratings	
2.6.1 Supply Voltage	5 V
2.6.2 Tuning Voltage	5 V
2.6.3 Storage Temperature Range	-40~85 $^{\circ}\text{C}$

3. Housing

3.1 Case Material	Nickel Silver
3.2 Dimensions	5.5mm*4.8mm*1.7mm

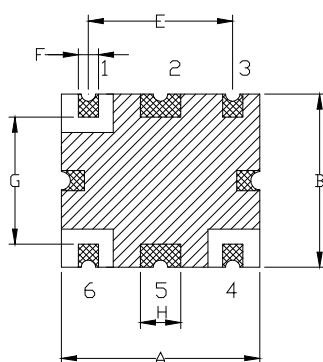
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Date	Drawn	Checked	Approved	DOCUMENT NO. : DMP-VCX2074UT60-ES	REV. S0

Note:

1. INSIDE RADIUS OF ALL HALF HOLES ON PERIMETER OF THE BOARD ARE SOLDER PLATED FOR ATTACHMENT.
2. SHIELD MATERIAL IS NICKLE SILVER AND IS SOLDERABLE.
3. YYWW-XX IS THE DATE CODE, XX IS NO.

PIN OUT FOR VCD	
	PIN
OUT	1(*)
V _t	4
VCC	6
GND	2,3,5

BOTTOM VIEW

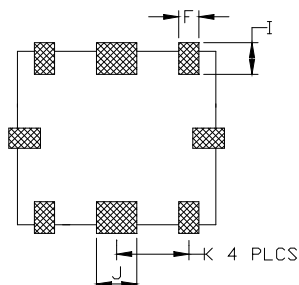
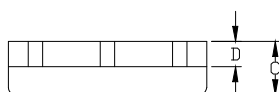


TOP VIEW



SYMBOL	DIMENSION
	MILLIMETERS
A	5.5±0.2
B	4.8±0.2
C	1.55 MAX
D	0.75
E	4.0±0.1
F	0.7±0.1
G	3.2±0.1
H	1.4±0.1
I	1.1±0.1
J	1.4±0.1
K	2.0±0.1

SIDE VIEW



**RECOMMENDED
LAND PATTERN
(TOP VIEW)**



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