

SERIES :

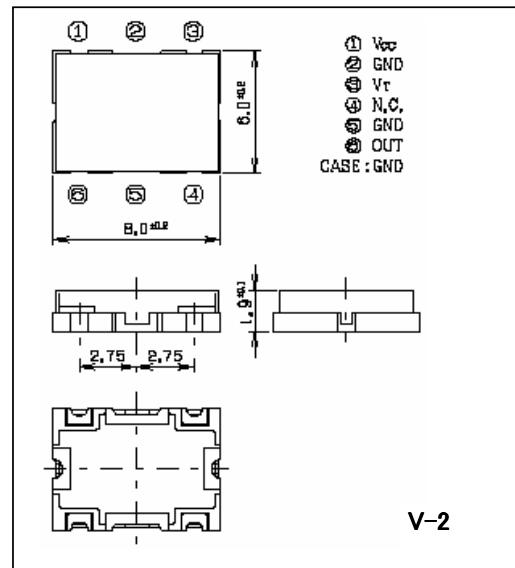
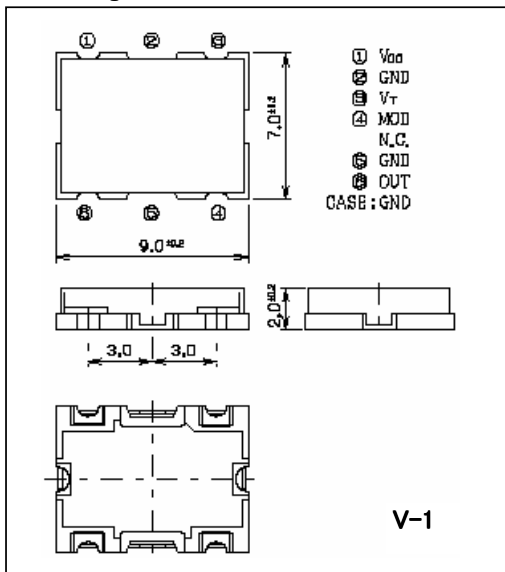
OVC SERIES

● Specifications

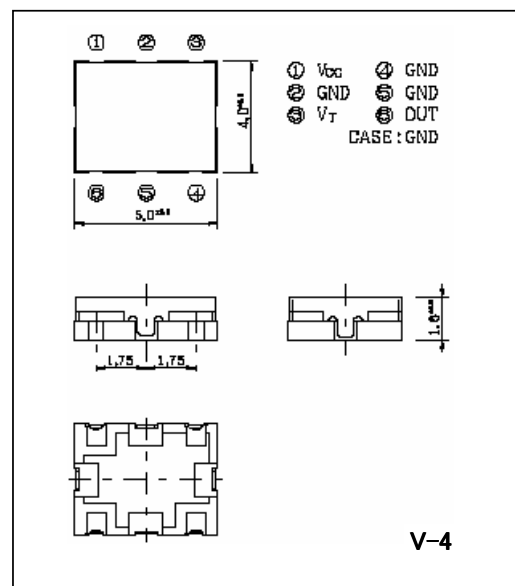
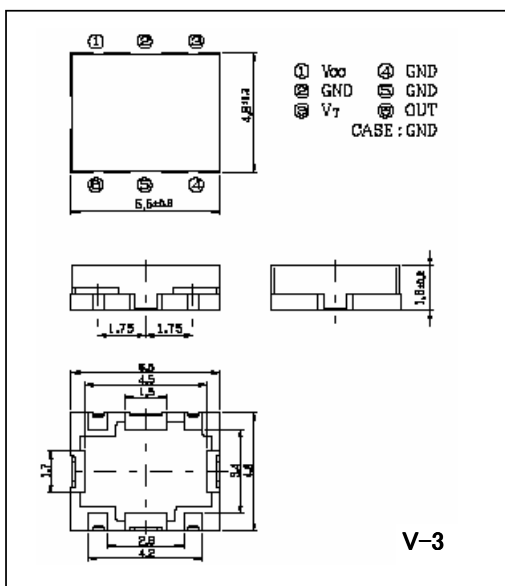
Item	Specifications				
	OVC-A	OVC-B	OVC-C	OVC-D	OVC-E
Nominal Frequency	300~500MHz	500MHz~1GHz	1.0~1.5GHz	1.5~2.0GHz	2.0~3.0GHz
C/N at 10kHz	≥ 115dBc/Hz	≥ 105dBc/Hz	≥ 100dBc/Hz	≥ 95dBc/Hz	≥ 90dBc/Hz
Output	-5~+5dBm		-5~+3dBm	-5~+3dBm	-5~+3dBm
Supply Voltage	3.0~5.0V				
Current Consumption	≤ 15mA				
Package	V-1	V-2	V-2	V-3	V-3,V-4

● Outline Drawing

Unit : mm



※Tickness can change to 1.6mm



※Tickness can change to 1.5mm

# VOLTAGE CONTROLLED OSCILLATORS



SERIES :

OVC SERIES

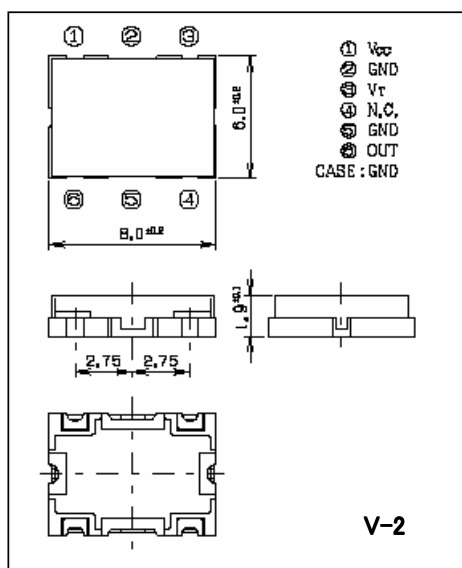
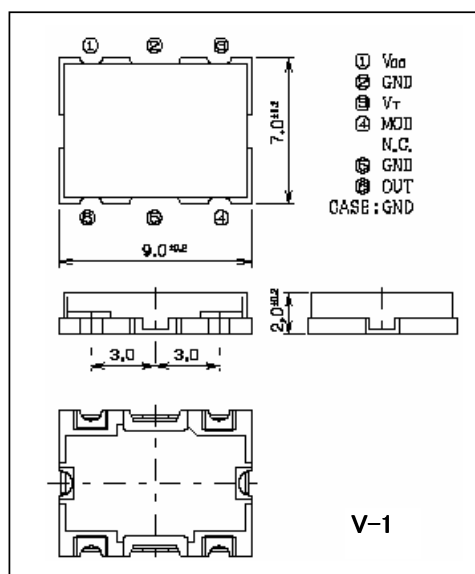
VCO FOR GSM

## Specifications

Part Number	Frequency Range(MHz)		VtL(V)	VtH(V)	Kv(MHz/V)	Power(dBm)	Vcc(V)	PACKING	Apprication
OVC-V2-1369S	1258	1360	0.5	3.1	72	2	2.7	V-2	GSM Dual (RX)
	1352	1480	0.5	3.1	72	2			
OVC-V2-1402S	1285	1361	0.7	2.1	80	0	2.8	V-2	
	1445	1520	0.7	2.1	85	0			
OVC-V1-1377	1274	1360	0.5	2.2	85	0	2.7	V-1	
	1332	1480	0.5	2.2	110	0			
OVC-V3-1360	1280	1440	0.3	2.3	95	0	2.8	V-3	
OVC-V5-1333	880	915	0.5	2.2	37	12	2.7	V-5	GSM Dual (TX)
	1710	1785	0.5	2.2	75	10			
OVC-V5-1337	890	915	0.5	3	36	11	2.7	V-5	
	1710	1785	0.5	3	40	11			
OVC-V1-1332	880	915	0.5	2.2	33	6.5	2.8	V-1	
	1710	1785	0.5	2.2	66	6.5			
OVC-V2-1332	880	915	0.5	2.2	33	6.5	2.8	V-2	
	1710	1785	0.5	2.2	66	6.5			
OVC-V3-3630	3420	3840	0.5	3.5	200	-2	2.75	V-3	GSM Direct conversion
OVC-V2-3630	3420	3840	0.5	3.5	200	-2	2.75	V-2	

## Outline Drawing

Unit : mm



※Tickness can change to 1.6mm



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SERIES :

OVC SERIES

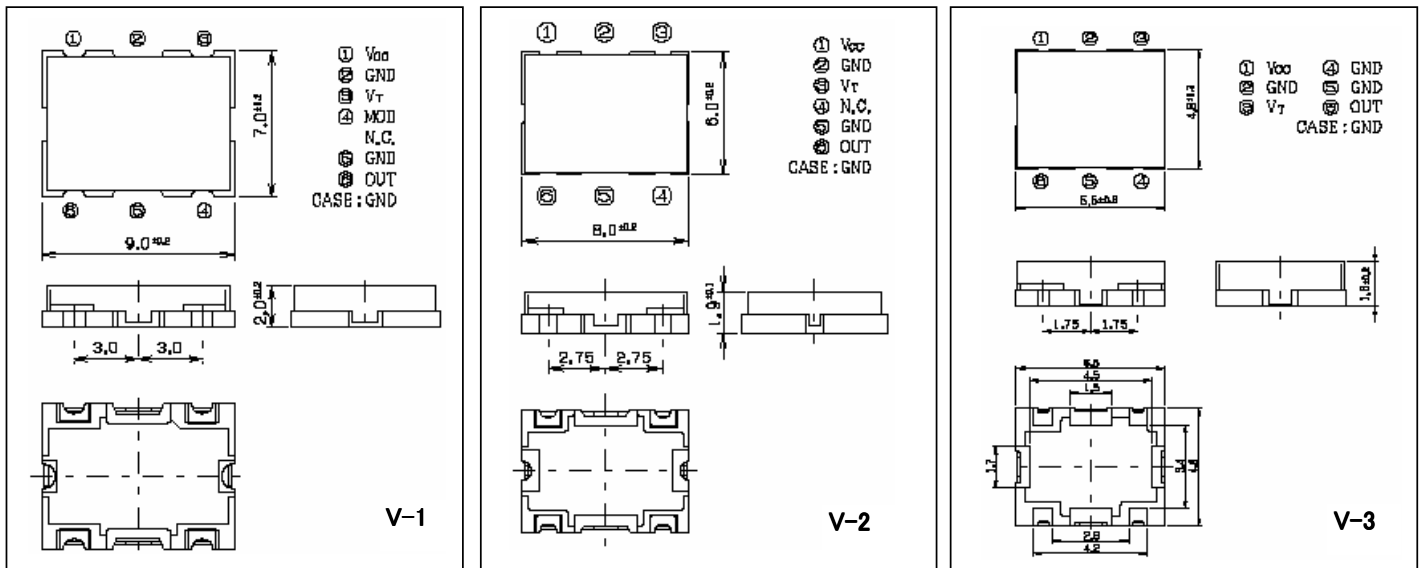
VCO FOR CDMA

● Specifications

Part Number	Frequency Range(MHz)		VtL(V)	VtH(V)	Kv(MHz/V)	Power(dBm)	Vcc(V)	PACKING	Apprication
OVC-V3-967 (LTCC)	954	980	0.5		24	-3	3	V-3	CDMA
OVC-V3-967F	954	980	0.5	2.5	24	-3	3	V-3	
OVC-3V-968	954	980	0.5	2.5	23	-1	2.8	V-3	
OVC-V3-1750 (LTCC)	1720	1780	0.3	2.7	40	-2	2.85	V-3	CDMA Dual Band
		2.5							
OVC-V3-1751 Direct conversion	1715	1788	0.4	2.3	48.5	-3	2.8	V-3 ※Thick=1.8mm	
OVC-V3-2139 Down convert( LTCC )	2104	2174	0.5	2.35	60	0	2.8	V-3	
OVC-V2-1779S	1385	1396	0.3	2.3	22	-2.5	2.85	V-2	
	2105	2174	0.3	2.3	55	-2.5			
OVC-V1-1779	1385	1396	0.3	2.3	22	-2.5	2.85	V-1	
	2105	2174	0.3	2.3	55	-2.5			

● Outline Drawing

Unit : mm



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# VOLTAGE CONTROLLED OSCILLATORS

OMCG CO., LTD

SERIES :

OVC SERIES

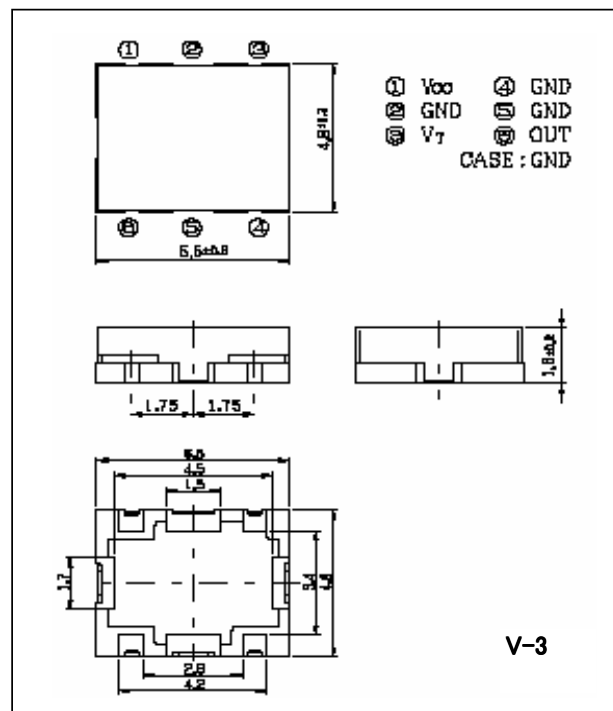
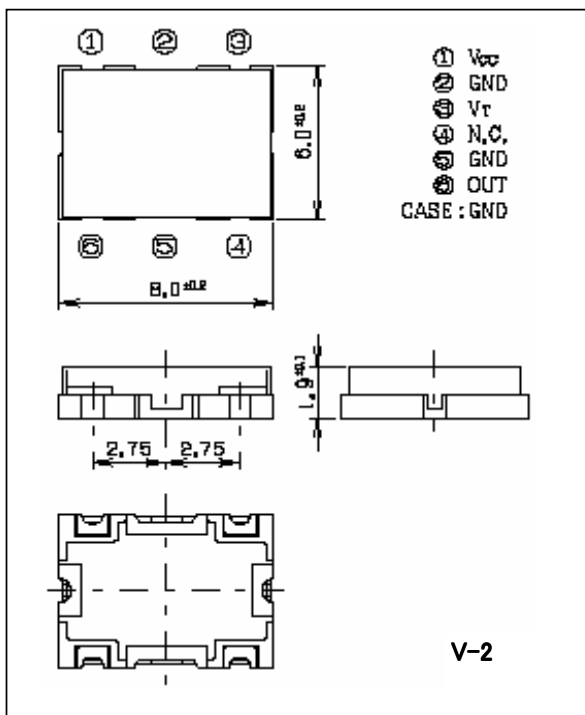
VCO FOR PHS

## Specifications

Item	Specifications	
	OVC-V3-1668	OVC-V2-1652
Series	OVC-V3-1668	OVC-V2-1652
Nominal Frequency	1651~1685MHz	1632~1673MHz
C/N(dBc/Hz)	$\geq 113(150K)$	$\geq 100(100K)$
Output	-2dBm	-3dBm
Supply Voltage	3.0V	2.7V
Current Consumption	$\leq 8mA$	
Package	V-3	V-2

## Outline Drawing

Unit : mm



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