

MONOLITHIC CRYSTAL FILTERS

SERIES :

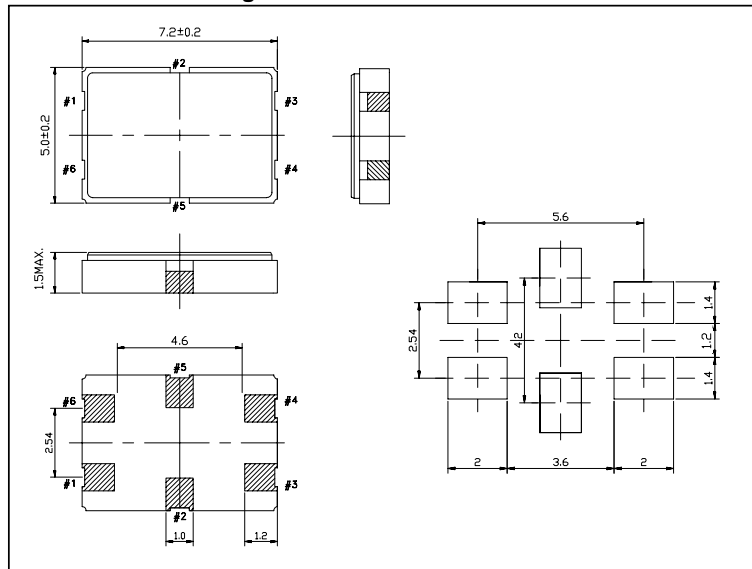
OF 7050

● Specifications

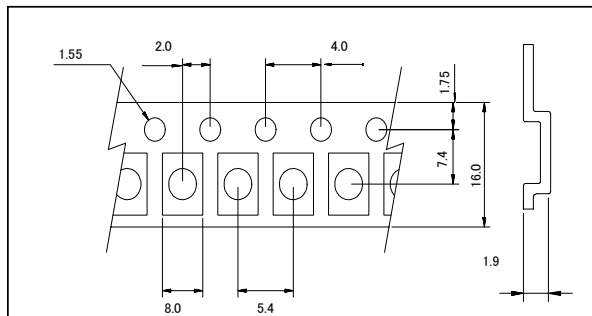
Nomal Frequency(MHz)	Specifications Item	Pass Bandwidth		Stop Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		Pole
		±kHz	dB	±kHz	dB	±kHz	dB			Zt(//pF)	Zc(pF)	
21.4MHz FUND	214M75	3.75	3	18.00	20	-910	70	1.00	2	850//6	-	2
	214M150	7.50	3	25.00	18	-910	70	1.00	2	1500//1.5	-	2
	214M200	10.00	3	30.00	10	-910	70	1.00	2	1800//1	-	2
	214M300	15.00	3	45.00	15	-910	70	1.00	2	2000//1.5	-	2
21.7MHz FUND	217M75	3.75	3	12.50	15	-910	70	1.00	2	1200//5	-	2
	217M150	7.50	3	25.00	15	-910	70	1.00	2	1500//1	-	2
45.0MHz FUND	45M75	3.75	3	25.00	20	-910	70	1.00	2	650//3.5	-	2
	45M120	6.00	3	20.00	15	-910	70	1.00	2	650//5	-	2
	45M150	7.50	3	25.00	15	-910	70	1.00	2	650//3.5	-	2
	45M300	15.00	3	60.00	15	-910	70	1.00	2	1200//3	-	2
29.0MHz FUND	29M200	10.00	3	25.00	10	-910	70	1.00	2	1800//1.5	-	2
77.55MHz 3rd	77M150	7.50	3	28.00	18	-910	50	1.00	3	1500//1	-	2
109.65MHz 3rd	109M150	7.50	3	28.00	18	-910	50	1.00	3	1500//1	-	2
128.55MHz 3rd	128M320	16.00	3	58.00	20	+300~+1000	25	1.30	2.5	950//1.6	-	2
						-915~-10000	40					

● Outline Drawing

Unit: mm



● Carrier Tape Dimensions



※ We shows standard spec above.If you need spec that is not shown here,please kindly contact us to consult above your necessary design,sample,and mass production.

MONOLITHIC CRYSTAL FILTERS

SERIES :

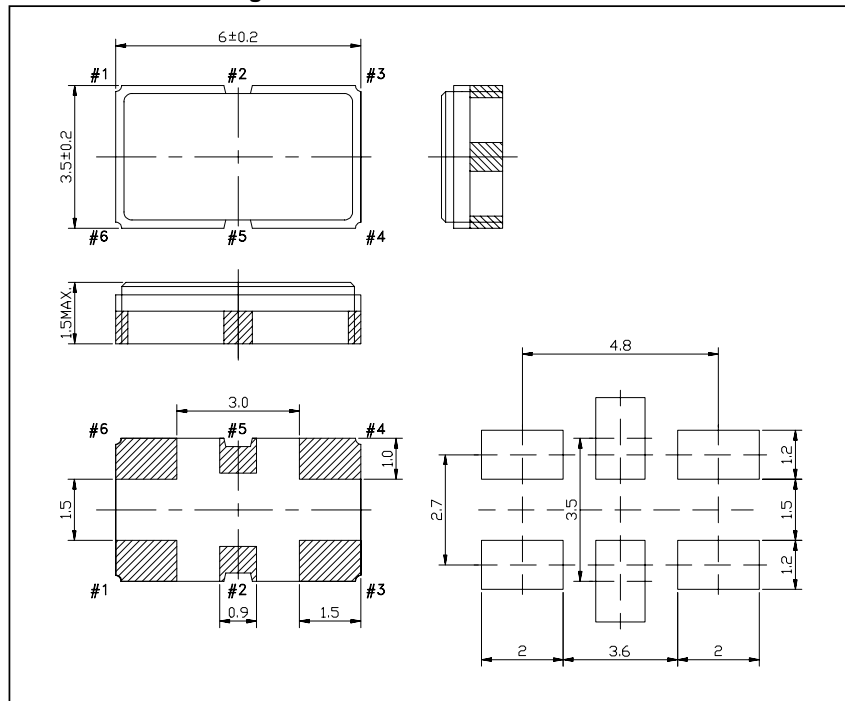
OF 6035

Specifications

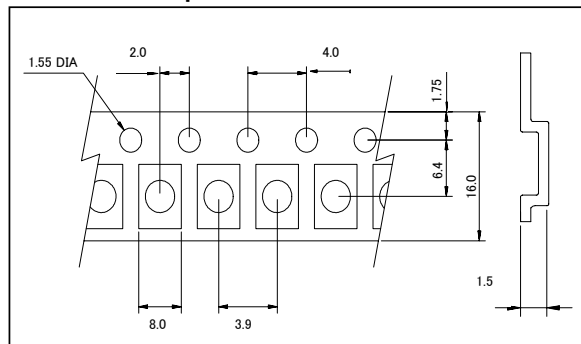
Nomal Frequency(MHz)	Specifications Item	Pass Bandwidth		Stop Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		Pole
		±kHz	dB	±kHz	dB	±kHz	dB			Zt(//pF)	Zc(pF)	
45.0MHz FUND	45M75	3.75	3	25.00	20	-910	70	1.00	2	650//3.5	-	2
	45120	6.00	3	20.00	15	-910	70	1.00	2	650//5	-	2
	45M150	7.50	3	25.00	15	-910	70	1.00	2	650//3.5	-	2
	45M300	15.00	3	60.00	15	-910	70	1.00	2	1200//-3	-	2
130.0MHz 3rd	130M28	14.00	3	50.00	15	-910	65	1.00	3.5	740//-1.2	-	2

Outline Drawing

Unit: mm



Carrier Tape Dimensions



※ We shows standard spec above.If you need spec that is not shown here,please kindly contact us to consult above your necessary design,sample,and mass production.

MONOLITHIC CRYSTAL FILTER

SERIES :

OF6035B

● Specifications

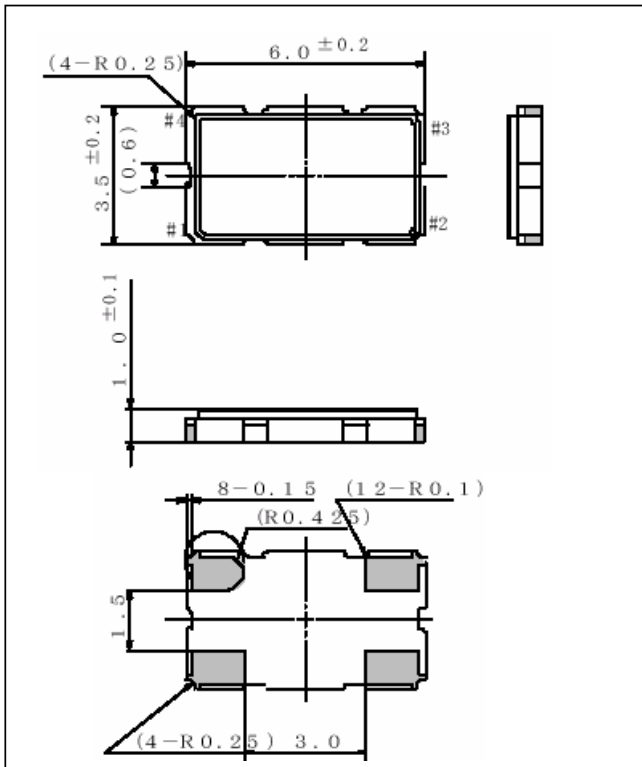
Item	Specifications
Nominal Frequency	20~45MHz
Pass Band Width 3dB	±10kHz MIN.
Attenuation Band Width 10dB	±25kHz MAX.
Ripple	0.5dB MAX.
Insertion Loss	2.0dB MAX.
Attenuation Guaranteed	at fo-910kHz 70dB MIN
Terminal Impedance	As per request
Operating Temperature Range	-20~+70°C

● Features

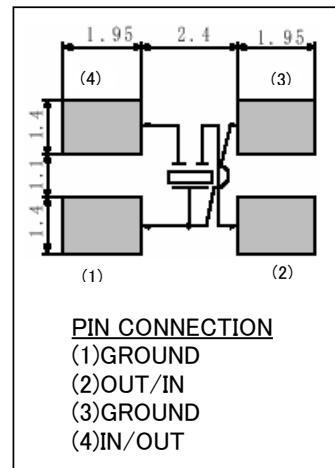
- ▶ Ultra miniature thick 1.1mm
- ▶ Excellent attenuation guaranteed
- ▶ Wide stability
- ▶ Please contact us for other spec

● Outline Drawing

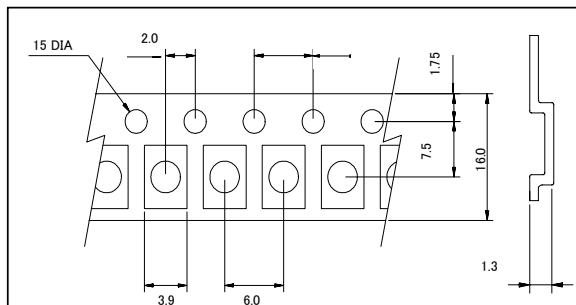
Unit:mm



<LAND PATTERN>



● Carrier Tape Dimensions

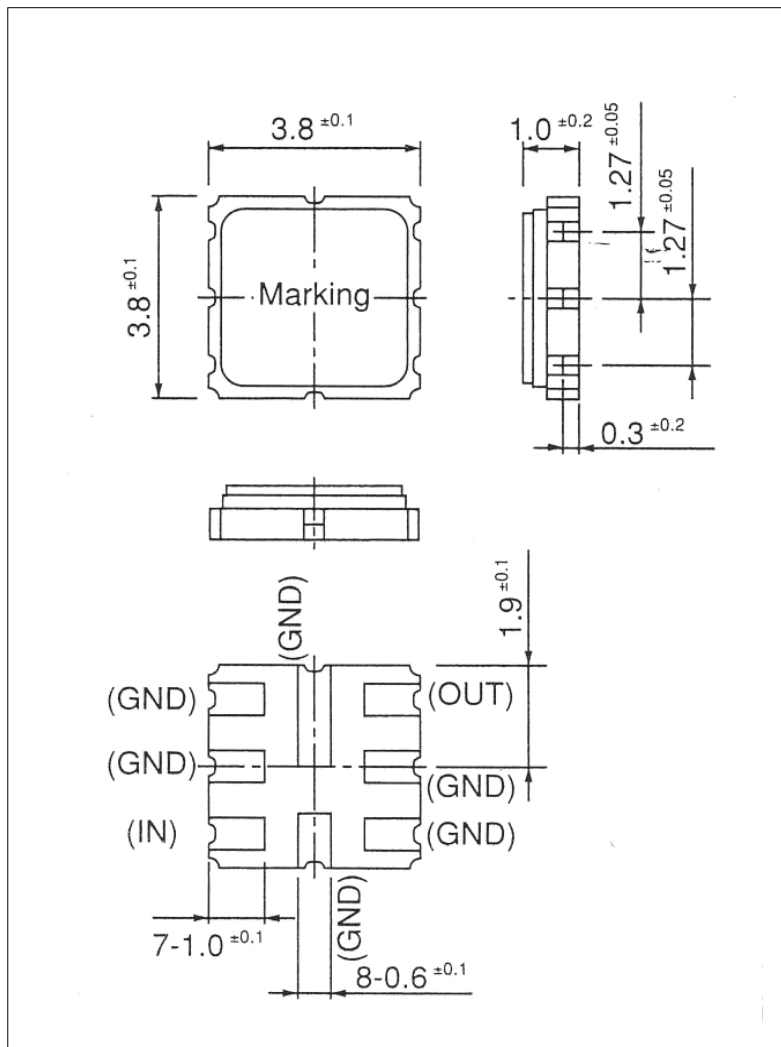


MONOLITHIC CRYSTAL FILTERS

OMCG CO., LTD

OF 3838

Item	Frequency	Pass Band Width		Attenuation Width		Guaranteed Attenuation		Ripple MAX	Loss MAX	Terminatin σ
	MHz	dB	KHz	dB	KHz	dB	KHz	dB	dB	Ω //pF
45M07	45.0	3	± 3.50	10	± 12.5	70	-910	1.0	5.0	510//5.5
109M30	109.65	3	± 15.0	22	± 60.0	65	-910	0.5	2.5	2000// -0.6
128M30	128.1	3	± 15.0	20	± 60.0	35	-910	1.5	3.5	1000// -1.4



OMCG CO., LTD

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 Tel: 03-5745-5361 Fax: 03-5745-5181 E-mail: postmaster@omcg.jp

MONOLITHIC CRYSTAL FILTERS

OMCG CO., LTD

SERIES :

OFS SERIES

Specifications

Nomal Frequency(MHz)	Specifications Item	Pass Bandwidth		Stop Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
		±kHz	dB	±kHz	dB	±kHz	dB			Zt(//pF)	Zc(Pf)		
10.70MHz	10M75A	3.75	3	18.00	20	+300~+1000 -200~-1000	35 50	0.50	1.5	1800//5	-	A-1,2	2
	10M75A-2	3.75	3	14.00	40	+300~+1000 -200~-1000	65 80	1.00	2.5	1800//4.5	12	A-1,2x2	4
	10757B	3.75	3	8.75	45	±12.5~±300	65	2.00	3.5	1800//3.5	-	B-1	6
	10M75B2	3.75	3	8.75	65	±12.5~±300	90	2.00	4	1800//3.5	-	B-2	8
	10M120A	6.00	3	25.00	20	+300~+1000 -200~-1000	35 40	0.50	1.5	2500//2.5	-	A-1,2	2
	10M120A-2	6.00	3	20.00	40	+300~+1000 -200~-1000	65 80	1.00	2.5	1800//2.5	7	A-1,2x2	4
	10M120B	6.00	3	14.00	45	±20.0~±300	65	2.00	3	2800//1	-	B-1	6
	10M120B2	6.00	6	14.00	65	±20.0~±300	90	2.00	4	2800//1	-	B-2	8
	10M150A	7.50	3	25.00	18	+300~+1000 -200~-1000	35 40	0.50	1.5	3000//2	-	A-1,2	2
	10M150A-2	7.50	3	25.00	40	+300~+1000 -200~-1000	65 80	1.00	2.5	3000//1.5	5	A-1,2x2	4
	10M150B	7.50	3	17.50	45	±25.0~±300	65	2.00	3	2800//1	-	B-1	6
	10M150B2	7.50	6	15.00	60	±25.0~±300	90	2.00	3.5	2800//1	-	B-2	8
	10M200A	10.00	3	30.00	15	+300~+1000 -200~-1000	35 40	0.50	1.5	3900//0.5	-	A-1,2	2
	10M200A-2	10.00	3	34.00	40	+300~+1000 -200~-1000	65 80	1.00	2.5	3900//0.4	-	A-1,2x2	4
	10M200B	10.00	3	34.00	60	±34.0~±300	60	2.00	3	3900//1	-	B-1	6
	10M200B2	10.00	6	30.00	80	±30.0~±300	80	2.00	3.5	3.900//1	-	B-2	8
	10M300A	15.00	3	50.00	15	+300~+1000 -200~-1000	30 40	0.50	1.5	5000//0	-	A-1,2	2
	10M300A-2	15.00	3	40.00	30	+300~+1000 -250~-1000	65 80	1.00	2.5	5500//1	0	A-1,2x2	4
	10M300B	15.00	3	45.00	60	±45.0~±300	60	2.00	3	5500//1	-	B-1	6
	10M300B2	15.00	6	30.00	60	±40.0~±300	80	2.00	3.5	5500//1	-	B-2	8

Nomal Frequency(MHz)	Specifications Item	Pass Bandwidth		Stop Bandwidth		Ultimate at dB	Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole	
		±kHz	dB	±kHz	dB				Zt(//pF)	Zc(Pf)			
16.9MHz	16M75A	3.75	3	18.00	20	+350~+1000 -200~-1000	35 50	0.50	1.5	850//5	-	A-1,2	2
	16M75D	3.75	3	18.00	20	+350~+1000 -200~-1000	35 50	0.50	1.5	1000//7	-	D-1,2	2
	16M75A-2	3.75	3	14.00	40	+350~+1000 -200~-1000	65 80	1.00	2.5	850//5	20	A-1,2x2	4
	16M75D-2	3.75	3	12.50	30	+350~+1000 -200~-1000	65 80	1.00	2.5	1000//4	18	D-1,2x2	4
	16M75C4	3.75	3	12.50	65	±12.5~±300	65	2.00	3	850//5	-	C-4	6
	16M75C36	3.75	3	12.50	65	±12.5±300	65	2.00	3	1000//5	-	C-3	6
	16M75C5	3.75	3	12.50	90	±12.5~±300	90	2.00	4	850//5	-	C-5	8
	16M75C38	3.75	3	12.50	90	±12.5~±300	90	2.00	4	1000//5	-	C-3	8
	16M120A	6.00	3	25.00	20	+300~+1000 -200~-1000	35 50	0.50	1.5	1500//2.5	-	A-1,2	2
	16M120D	6.00	3	25.00	20	+300~+1000 -200~-1000	35 50	0.50	1.5	1500//3.5	-	D-1,2	2
	16M120A-2	6.00	3	20.00	40	+300~+1000 -200~-1000	65 80	1.00	2.5	1500//2	9	A-1,2x2	4
	16M120D-2	6.00	3	20.00	40	+300~+1000 -200~-1000	65 80	1.00	2.5	1500//3	8	D-1,2x2	4
	16M120C4	6.00	3	20.00	65	±20.0~±300	65	2.00	3	1500//2	-	C-4	6
	16M120C36	6.00	3	20.00	65	±20.0~±300	65	2.00	3	1500//2	-	C-3	6
	16M120C5	6.00	3	20.00	90	±20.0~±300	90	2.00	3.5	1500//2	-	C-5	8
	16M120C38	6.00	3	20.00	90	±20.0~±300	90	2.00	3.5	1500//2	-	C-3	8
	16M150A	7.50	3	25.00	18	+300~+1000 -200~-1000	35 40	0.50	1.5	1800//2	-	A-1,2	2
	16M150D	7.50	3	25.00	18	+300~+1000 -200~-1000	35 40	0.50	1.5	1800//2	-	D-1,2	2
	16M150A-2	7.50	3	25.00	40	+300~+1000 -200~-1000	50 70	1.00	2.5	1800//1.5	7.5	A-1,2x2	4
	16M150D-2	7.50	3	25.00	40	+300~+1000 -200~-1000	50 70	1.00	2.5	1800//1.5	7.5	D-1,2x2	4
	16M150C4	7.50	3	25.00	65	±20.0~±300	65	2.00	3	1800//1.5	-	C-4	6
	16M150C36	7.50	3	25.00	65	±20.0~±300	65	2.00	3	1800//1.5	-	C-3	6
	16M150C5	7.50	3	25.00	90	±25.0~±300	90	2.00	3.5	1800//1.5	-	C-5	8
	16M150C38	7.50	3	25.00	90	±20.0~±300	90	2.00	3.5	1800//1.5	-	C-3	8

Nomal Frequency(MHz)	Specifications Item	Pass Bandwidth		Stop Bandwidth		Ultimate at dB	Ultimate at ±kHz	Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
		±kHz	dB	±kHz	dB					Zt(//pF)	Zc(Pf)		
21.4MHz	21M75D1-4	3.75	3	18.00	20	+350~+1000 -200~-1000	35 50	0.50	1.5	850//6	-	D-1,2,3,4	2
	21M75D5-6	3.75	3	18.00	20	+350~+1000 -200~-1000	35 50	0.50	2	850//5.5	-	D-5,6	2
	21M75D1-44	3.75	3	14.00	40	+350~+1000 -200~-1000	65 80	1.00	2.5	850//5	16	D-1,2,3,4	4
	21M75D5-64	3.75	3	14.00	40	+350~+1000 -200~-1000	65 80	1.00	3	1000//4.5	12	D-5,6	4
	21M75C3-56	3.75	3	8.75	45	±12.5~±300	65	2.00	3	850//5.	-	C-3,4,5	6
	21M75C3-58	3.75	3	9.00	65	±12.5±300	90	2.00	4	850//5	-	C-3,4,5	8
	21M120D1-4	6.00	3	25.00	20	+350~+1000 -200~-1000	35 50	0.50	1.5	1200//3	-	D-1,2,3,4	2
	21M120D5-6	6.00	3	25.00	20	+350~+1000 -200~-1000	35 50	0.50	2	1200//3	-	D-5,6	2
	21M120D1-44	6.00	3	20.00	40	+350~+1000 -200~-1000	65 80	1.00	2	1200//2.5	10.5	D-1,2,3,4	4
	21M120D5-64	6.00	3	20.00	40	+350~+1000 -200~-1000	65 80	1.00	3	1600//2.5	7	D-5,6	4
	21M120C3-56	6.00	3	14.00	45	±20.0~±300	65	2.00	2.5	1200//2.5	-	C-3,4,5	6
	21M120C3-58	6.00	3	14.00	65	±20.0~±300	90	2.00	3	1200//2.5	-	C-3,4,5	8
	21M150D1-4	7.50	3	25.00	18	+350~+1000 -200~-1000	35 50	1.50	1.5	1500//2.5	-	D-1,2,3,4	2
	21M150D1-45-6	7.50	3	25.00	15	+350~+1000 -200~-1000	35 50	0.50	2	1500//2	-	D-5,6	2
	21M150D1-44	7.50	3	25.00	40	+350~+1000 -200~-1000	65 80	1.00	2	1500//2	8	D-1,2,3,4	4
	21M150D5-64	7.50	3	25.00	40	+350~+1000 -200~-1000	65 80	1.00	4	1900//2	5	D-5,6	4
	21M150C3-56	7.50	3	17.50	45	±25.0~±300	65	2.00	2.5	1500//2	-	C-3,4,5	6
	21M150C3-58	7.50	3	17.50	65	±25.0~±300	90	2.00	3	1500//2	-	C-3,4,5	8
	21M200D1-4	10.00	3	30.00	15	+350~+1000 -350~-1000	35 50	0.50	2	1800//2.5	-	D-1,2,3,4	2
	21M200D1-44	10.00	3	35.00	45	+350~+1000 -200~-1000	65 80	1.00	2	1800//1.5	5	D-1,2,3,4	4
	21M200C3-56	10.00	3	34.00	60	±34.0~±300	60	2.00	2.5	1800//1.5	-	C-3,4,5	6
	21M200C3-58	10.00	3	30.00	80	±30.0~±300	80	2.00	3	1800//1.5	-	C-3,4,5	8
	21M300D1-4	15.00	3	45.00	15	+350~+1000 -350~-1000	35 45	0.50	1.5	1500/	-	D-1,2,3,4	2
	21M300D1-44	15.00	3	50.00	40	+350~+1000 -250~-1000	65 80	1.00	2	2000//0.5	3	D-1,2,3,4	4
21M300C3-56	15.00	3	50.00	65	±50.0~±300	65	2.00	2.5	2200//0.5	-	C-3,4,5	6	
21M300C3-58	15.00	3	50.00	80	±50.0~±300	80	2.00	3	2200//0.5	-	C-3,4,5	8	

Nomal Frequency(MHz)	Specifications Item	Pass Bandwidth		Stop Bandwidth		Ultimate at dB	Ultimate at kHz	Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
		kHz	dB	kHz	dB					Zt(//pF)	Zc(Pf)		
45.0MHz FUND	45M75D1-6F	3.75	3	12.50	10	-910	65	1.00	2	200//4	-	D-1~6	2
	45M75D1-64F	3.75	3	12.50	30	±900~±1000	90	1.00	4	350//6.5	18	D-1~6	4
	45M75C36F	3.75	3	12.50	50	±900	80	2.00	6	350//5	-	C-3	6
	45M75C38F	3.75	3	12.50	70	±900	80	2.00	7	350//5	-	C-3	8
	45M120D1-6F	6.00	3	22.00	15	-910	65	1.00	2	650//5	-	D-1~6	2
	45M120D1-64F	6.00	3	20.00	30	±900~±1000	90	1.00	3	500//4	12	D-1~6	4
	45M120C36F	6.00	3	20.00	50	±900	80	2.00	6	600//3	-	C-3	6
	45M120C38F	6.00	3	20.00	70	±900	80	2.00	7	600//3	-	C-3	8
	45M150D1-6F	7.50	3	25.00	15	+900~+1000 -900~-1000	35 65	1.00	2	650//3	-	D-1~6	2
	45M150D1-64F	7.50	3	25.00	30	±900~±1000	90	1.00	3	650//3	9	D-1~6	4
	45M150C36F	7.50	3	25.00	60	±900	80	2.00	5	650//1.5	-	C-3	6
	45M150C38F	7.50	3	25.00	80	±900	80	2.00	6	650//1.5	-	C-3	8
	45M200D1-6F	10.00	3	35.00	15	+900~+1000 -900~-1000	35 65	1.00	2	800//3	-	D-1~6	2
	45M200D1-64F	10.00	3	40.00	30	±900~±1000	90	1.00	3	800//2	6.5	D-1~6	4
	45M3000D1-6F	15.00	3	60.00	15	+900~+1000 -900~-1000	35 65	1.50	2.5	1200//0	-	D-1~6	2
	45M0300D1-64F	15.00	3	50.00	30	±900~±1000	90	1.00	3	1200//0.7	3.5	D-1~6	4
	45M150C36F	15.00	3	50.00	60	±900	80	2.00	5	1500//0.3	-	C-3	6
	45M300C38F	15.00	3	50.00	80	±900	80	2.00	6	1500//0.3	-	C-3	8
45.0MHz 3rd	45M75D1-2T	3.75	3	12.50	10	±900	35	1.00	2	2000//0.4	-	D-1,2	2
	45M75D1-24T	3.75	3	12.50	30	±900	75	1.00	4	3000//0.3	-0.1	D-1,2	4
	45M120D1-2T	6.00	3	22.00	15	±900	35	1.00	2	3000//0.1	-	D-1,2	2
	45M120D1-24T	6.00	3	22.00	30	±900	75	1.00	4	3600//0.7	-1	D-1,2	4
	45M150D1-2T	7.50	3	25.00	15	±900	35	1.00	2	4000//0.7	-	D-1,2	2
	45M150D1-24T	7.50	3	25.00	30	±900	75	1.00	4	4000//0.8	-1	D-1,2	4
	45M200D1-2T	10.00	3	35.00	15	±900	35	1.00	2	4000//0.1	-	D-1,2	2
	45M200D1-24T	10.00	3	35.00	30	±900	75	1.00	4	4000//0.7	-1.2	D-1,2	4

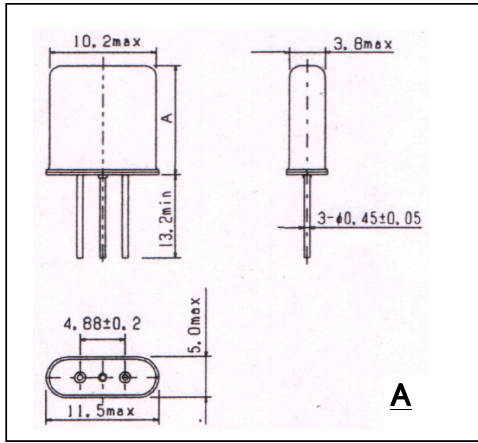
Nomal Frequency(MHz)	Specifications Item	Pass Bandwidth		Stop Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
		±kHz	dB	±kHz	dB	±kHz	dB			Zt(//pF)	Zc(Pf)		
70.0MHz 3rd	70M75D1-6T	3.75	3	12.50	10	+500~+1000 -200~-1000	35	1.00	2	2000//0	-	D-1~6	2
	70M75D1-64T	3.75	3	12.50	30	+500~+1000 -200~-1000	70 75	1.00	4	1800//0	0.5	D-1~6	4
	70M120D1-6T	6.00	3	22.00	15	+500~+1000 -200~-1000	35	1.00	2	2000//0.4	-	D-1~6	2
	70M120D1-64T	6.00	3	25.00	30	+500~+1000 -200~-1000	70 75	1.00	3	2000//0.2	0	D-1~6	4
	70M150D1-6T	7.50	3	30.00	15	+500~+1000 -200~-1000	35	1.00	2	2000//0.9	-	D-1~6	2
	70M150D1-64T	7.50	3	25.00	25	+500~+1000 -200~-1000	70 75	1.00	3	2000//0.4	-0.5	D-1~6	4
	70M200D1-6T	10.00	3	40.00	15	+500~+1000 -200~-1000	35	1.00	2	2500//1	-	D-1~6	2
	70M200D1-64T	10.00	3	40.00	35	+500~+1000 -200~-1000	70 75	1.00	3	2500//0.8	-1	D-1~6	4
	70M300D1-6T	15.00	3	60.00	15	+500~+1000 -200~-1000	35	1.00	2	4000//0.7	-	D-1~6	2
	70M300D1-64T	15.00	3	60.00	30	+500~+1000 -200~-1000	70 75	1.00	2	4000//0.8	-1.1	D-1~6	4

Nomal Frequency(MHz)	Specifications Item	Pass Bandwidth		Stop Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
		±kHz	dB	±kHz	dB	±kHz	dB			Zt(//pF)	Zc(Pf)		
90.0MHz 3rd	90M75D1-6T	3.75	3	12.50	10	+500~+1000 -200~-1000	35	1.00	2	2000//0.3	-	D-1~6	2
	90M75D1-64T	3.75	3	12.50	30	+500~+1000 -200~-1000	70 75	1.00	4	1200//0.1	0.7	D-1~6	4
	90M120D1-6T	6.00	3	22.00	15	+500~+1000 -200~-1000	35	1.00	2	2000//0	-	D-1~6	2
	90M120D1-64T	6.00	3	25.00	30	+500~+1000 -200~-1000	70 75	1.00	3	1800//0.3	-0.2	D-1~6	4
	90M150D1-6T	7.50	3	30.00	15	+500~+1000 -200~-1000	35	1.00	2	2000//0.1	-	D-1~6	2
	90M150D1-64T	7.50	3	25.00	25	+500~+1000 -200~-1000	70 75	1.00	3	2000//0.5	-0.5	D-1~6	4
	90M200D1-6T	10.00	3	40.00	15	+500~+1000 -200~-1000	35	1.00	2	2500//0.4	-	D-1~6	2
	90M200D1-64T	10.00	3	40.00	35	+500~+1000 -200~-1000	70 75	1.00	3	2500//0.6	-0.8	D-1~6	4
	90M300D1-6T	15.00	3	60.00	15	+500~+1000 -200~-1000	35	1.00	2	4000//0.7	-	D-1~6	2
	90M300D1-64T	15.00	3	60.00	30	+500~+1000 -200~-1000	70 75	1.00	3	4000//0.7	-1.3	D-1~6	4

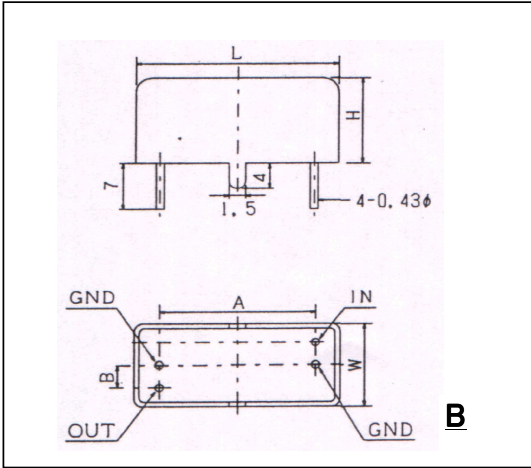
Center Frequency Range	Specifications Item	Pass Bandwidth		Stop Bandwidth		Guaranteed Attenuation		Ripple (Db)	Insertion Loss(dB)	Impe-dance	Operating Temp. Range	Pole
		±kHz	dB	±kHz	dB	±kHz	dB					
100~150MHz (3rd)	High frequency Range ※	±3.75 ~±7.5	3	±12.5 ~±25.0	30	f0-1000~-200 0+500~+1000	30 or 75 35 or 70	1 MAX	3 MAX	TBD	-20~+70°C	2 or 4

※ We shows standard spec above.If you need spec that is not shown here,please kindly contact us to consult above your necessary design,sample,and mass production

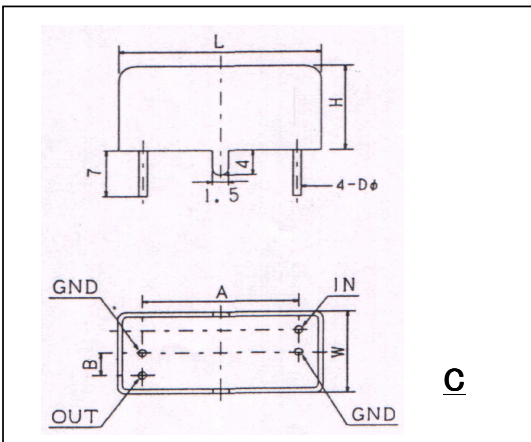
Outline Drawing



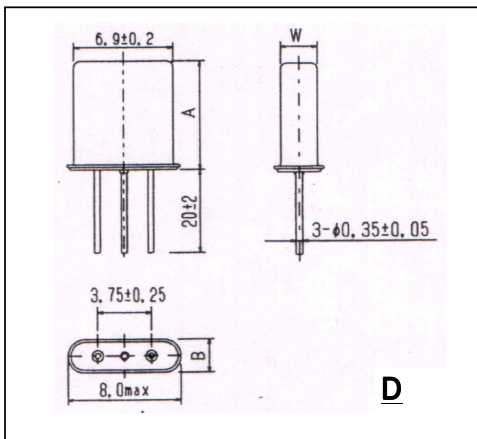
CASE	A
A-1	13.5MAX
A-2	11.2MAX



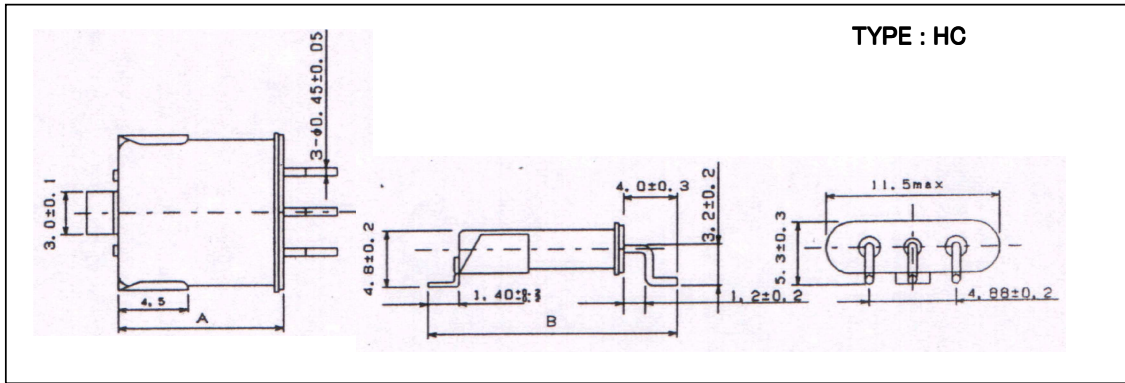
CASE	L	W	H	A	B
B-1	15.0	12.0	15.0	9.0	2.5
B-2	18.5	12.0	15.0	13.4	2.5



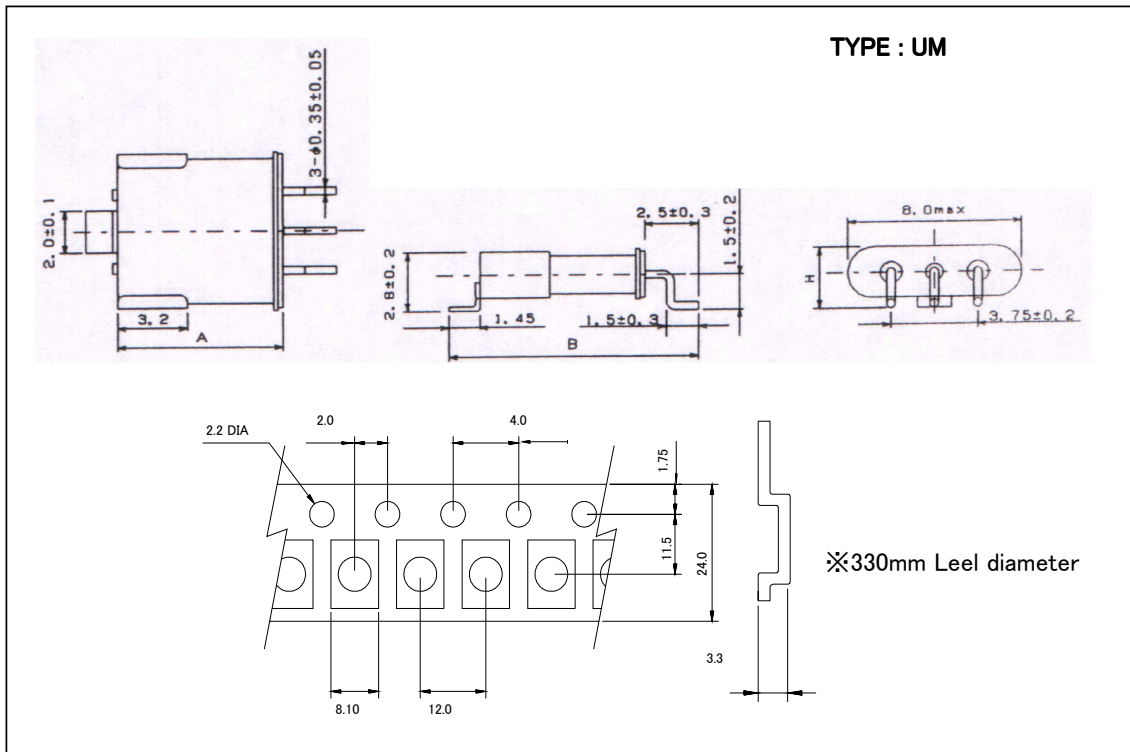
CASE	L	W	H	A	B	D
C-1	11.0	8.5	11.5	7.4	2.0	0.3
C-2	15.0	12.0	15.0	9.0	2.5	0.43
C-3	18.5	12.0	15.0	13.4	2.5	0.43



CASE	A	B	W
D-1	8.0MAX	3.0±0.2	2.2±0.2
D-2	8.0MAX	2.5±0.2	1.8±0.2
D-3	6.0MAX	3.0±0.2	2.2±0.2
D-4	6.0MAX	2.5±0.2	1.8±0.2
D-5	4.5MAX	3.0±0.2	2.2±0.2
D-6	4.5MAX	2.5±0.2	1.8±0.2



CASE	A	B
HC-1	11.2±0.2	16.8±0.3
HC-2	13.2±0.2	18.8±0.3



CASE	A	B	H
UM-1	7.8±0.2	11.5±0.3	3.1±0.2
UM-1S	7.8±0.2	11.5±0.3	2.8±0.2
UM-5	5.8±0.2	9.7±0.3	3.1±0.2
UM-5S	5.8±0.2	9.7±0.3	2.8±0.2
UM-4	4.4±0.2	8.3±0.3	3.1±0.2
UM-4S	4.4±0.2	8.3±0.3	2.8±0.2

MONOLITHIC CRYSTAL FILTERS

OMCG CO., LTD

SERIES :

OFS L SERIES

Specifications

Nomal Frequency(MHz)	Specifications Item	Frequency	Mode	Pass Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
		±kHz		±kHz	dB	f0±kHz	dB			Zt(//pF)	Zc(pF)		
450kHz	455K250L2	455.00	CW	0.125	6	0.25	60	2.00	6	2000//15	-	L-2	8
	455K250L5	455.00	CW	0.125	6	0.24	60	2.00	6	1500//30	-	L-5	8
	455K400L2	455.00	CW	0.20	6	0.4	60	2.00	6	2000//15	-	L-2	8
	455K400L5	455.00	CW	0.20	6	0.4	60	2.00	6	1500//30	-	L-5	8
	455K400L2B	455.70	CW	0.20	6	0.4	60	2.00	6	2000//15	-	L-2	8
	455K500L1	454.20	CW	0.25	6	0.55	60	2.00	7	2000	-	L-1	8
	455K500L2	455.00	CW	0.25	6	0.5	60	2.00	6	2000//15	-	L-2	8
	455K500L5	455.00	CW	0.25	6	0.5	60	2.00	6	1500//30	-	L-5	8
	455K600L2	455.00	CW	0.30	6	0.6	60	2.00	6	2000//15	-	L-2	8
	455K1800L-2	455.00	SSB	0.90	6	1.65	60	2.00	6	2000//15	-	L-2	8
	455K500L4	455.80	CW	0.25	6	0.55	60	2.00	8	2000	-	L-4	8
	455K2100L2	455.00	SSB	1.05	6	1.75	60	2.00	6	2000//15	-	L-2	8
	455K2400L1	455.00	SSB	1.20	6	2.0	60	2.00	7	2000	-	L-1	8
455K2400L5	455.00	SSB	1.20	6	2.1	60	2.00	6	1500//30	-	L-5	8	

Nomal Frequency(MHz)	Specifications Item	Frequency	Mode	Pass Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
		±MHz		±kHz	dB	f0±kHz	dB			Zt(//pF)	Zc(pF)		
7~8MHz	7M2400L3	7.8000	SSB	1.200	6	2	60	2.00	4	500	-	L-3	8
	8M250L1	8.8307	CW	0.125	6	0.125	60	2.00	12	470//5	-	L-1	8
	8M400L1	8.8307	CW	0.20	6	0.7	60	2.00	9	470//5	-	L-1	8
	8M400L1B	8.8300	CW	0.20	6	0.7	60	2.00	9	470//5	-	L-1	8
	8M1800L1	8.8300	SSB	0.90	6	1.7	60	2.00	4	470//5	-	L-1	8
	8M2100L1	8.8300	SSB	1.05	6	1.9	60	2.00	4	470//5	-	L-1	8
	8M6000L1	8.8300	AM	3.00	6	5.25	60	2.00	3	470//5	-	L-1	8
	8M250L3	8.9883	CW	0.125	6	0.375	60	2.00	12	500	-	L-3	8
	8M250L3B	8.9875	SSB	0.125	6	1.9	60	2.00	6	500	-	L-3	8
	8M500L3	8.9883	CW	0.25	6	0.7	60	2.00	8	500	-	L-3	8
	8M1800L3	8.9875	SSB	0.90	6	1.7	60	2.00	4	500	-	L-3	8
	8M2100L3	8.9875	SSB	1.05	6	2	60	2.00	4	500	-	L-3	8
	8M2400L3	8.9875	AM	1.20	6	6	60	2.00	4	500	-	L-3	8

Nomal Frequency(MHz)	Specifications Item	Frequency	Mode	Pass Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
		±MHz		±kHz	dB	f0±kHz	dB			Zt(//pF)	Zc(pF)		
9.0MHz	9M250L3	8.9993	CW	0.125	6	0.375	60	2.00	12	500	-	L-3	8
	9M400L3	9.0025	CW	0.20	6	0.7	60	2.00	9	800	-	L-3	8
	9M400L3B	9.0106	CW	0.20	6	0.65	60	2.00	9	1000//5	-	L-3	8
	9M400L3C	9.0115	CW	0.20	6	0.65	60	2.00	9	1000//5	-	L-3	8
	9M500L3	8.9993	CW	0.25	6	0.7	60	2.00	8	500	-	L-3	8
	9M600L3	9.0000	CW	0.30	6	0.7	60	2.00	8	500	-	L-3	8
	9M180L3	9.0000	SSB	0.90	6	1.7	60	2.00	4	500	-	L-3	8
	9M2100L3	9.0115	SSB	1.05	6	1.75	60	2.00	4	1000//5	-	L-3	8
	9M2100L3B	9.0000	SSB	1.05	6	1.9	60	2.00	4	500	-	L-3	8
	9M2200L3	9.0000	SSB	1.10	6	2	60	2.00	4	500	-	L-3	8
	9M2400L4	9.0000	SSB	1.20	6	2.15	60	2.00	3.5	500//30	-	L-4	8
	9M2400L3	9.0000	SSB	1.20	6	2	60	2.00	4	500	-	L-3	8
	9M30000L3	9.0000	FM	15.00	6	30.0	60	2.00	6	500	-	L-3	8
	9M4800L4	9.0000	AM	2.40	3	4.5	60	2.00	3.5	500//30	-	L-4	8
	9M6000L3	9.0000	AM	3.00	6	5.25	60	2.00	4	500	-	L-3	8
	9M6000L3B	9.0000	AM	3.00	6	6.0	60	2.00	4	500	-	L-3	8
	9M12000L4	9.0000	FM	6.00	6	10.8	60	2.00	3.5	1200//30	-	L-4	8
	9M15000L3	9.0000	FM	7.50	6	15	60	2.00	4	500	-	L-3	8

Nomal Frequency(MHz)	Specifications Item	Frequency \pm MHz	Mode	Pass Bandwidth		Ultimate attenuation		Ripple (Db)	Insertion Loss(dB)	Impedance		PATTERN	Pole
				\pm kHz	dB	f0 \pm kHz	dB			Zt(//pF)	Zc(pF)		
10~20MHz	10M400L1	10.7500	CW	0.200	6	0.7	60	2.00	10	500//18	-	L-1	8
	10M600L3	10.7000	CW	0.300	6	0.95	60	2.00	7	500	-	L-3	8
	10M600L3B	10.7000	CW	0.30	3	0.75	60	2.00	9	500	-	L-3	8
	10M2100L1	10.7500	CW	1.05	6	1.7	60	2.00	4	500//18	-	L-1	8
	10M2100L3	10.7600	SSB	1.05	6	1.9	60	2.00	5	500	-	L-3	8
	10M2200L3	10.6985	SSB	1.10	6	2	60	2.00	4	500	-	L-3	8
	10M2200L3	10.7015	SSB	1.10	6	2	60	2.00	4	500	-	L-3	8
	10M2200L3B	10.7000	SSB	1.10	6	2	60	2.00	4	500	-	L-3	8
	10M2400L3	10.7600	SSB	1.20	6	2	60	2.00	4	500	-	L-3	8
	10M2400L3B	10.7000	SSB	1.20	6	2	60	2.00	4	500	-	L-3	8
	10M15000L3	10.7000	FM	7.50	6	15	60	2.00	4	500	-	L-3	8
	10M30000L3	10.7000	FM	15.00	6	30	60	2.00	6	500	-	L-3	8
	20M9000L4	20.0000	FM	4.50	3	20	60	2.00	3	250	-	L-4	8

Outline Drawing

