



# Voltage Controlled Oscillator - VCO Selector Guide

← Available standard packages: RQR, RQC, RQL, RQS

Raltron VCO Part Number	Freq Range [MHz]		Tuning Voltage [V]		Supply Voltage [V]	Supply Current [mA]	Output Power [dBm]			Tuning Sensitivity [MHz/V]			Pushing [MHz/V]	Pulling [MHz]	Harmonics [dBc]		Phase Noise [dBc/Hz]		Package Dimensions [mm / inch]			
	max	min	min	max	typ ± tol	typ	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	Length	Width	max Height
RQCA-0110-0140	110	140	0	5	3 ± 0.15	15	0	3	6				5	10	-10	-100			12.6 (.496)	10.2 (.400)	4.2 (.165)	
RQCA-0400-0430-M	400	430	0	5	3 ± 0.15	15	0	3	6	13			5	10	-10	-100			12.6 (.496)	10.2 (.400)	4.2 (.165)	
RQCA-0400-0460	400	460	0.5	4.5	5 ± 0.25	12	20	0	3	6	24	0.5	1	2.5	5	-12	-10	-103	-98	12.6 (.496)	10.2 (.400)	4.2 (.165)
RQCA-0421-0441	421	441	0.5	2.7	3 ± 0.15	7		-6	-3	0	12	17	5	10	-10	-100			12.6 (.496)	10.2 (.400)	4.2 (.165)	
RQCA-0430-0470	430	470	0	3.5	5 ± 0.25	10	15	0			19	21	2.5	1		-9	-98	-95	12.6 (.496)	10.2 (.400)	4.2 (.165)	
RQCA-0741-0755	741	755	0.5	2.2	2.84 ± 0.14	5		-11	-8	-5	9	12	15		6	-15	-85		5.5(.217)	4.8(.189)	1.7(.067)	
RQCA-0754-0779	754	779	0.5	4.5	5 ± 0.25	10	15	-3	0	3	13	1	2	2	3	-18	-15	-107	-105	12.4 (.488)	9.96 (.392)	4.2 (.165)
RQCA-0799-0824	799	824	0.5	4.5	5 ± 0.25	10	15	-3	0	3	13	1	2	2	3	-18	-15	-107	-105	12.4 (.488)	9.96 (.392)	4.2 (.165)
RQCA-0920-0980	920	980	0.5	4.5	5 ± 0.25	20		0	3	6	20		5	10	-10		-95		12.6 (.496)	10.2 (.400)	4.2 (.165)	
RQLA-0108-0147	108	147	0	5	5 ± 0.25	8	10	0	3	6	10	13	0.6	1	0.7	1	-13	-10	-112	7.6 (.300)	7.6 (.300)	2.0 (.079)
RQLA-0112-0151	112	151	0.5	4.5	5 ± 0.25	20		1	3	5	18	2		2		-15	-10	-90	7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-0115-0135	115	135	0	3	3.3 ± 0.1	6	10	-3	0	3	10	0.6	1	0.7	1	-13	-10	-107	7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-0120-0150	120	150	0.5	4.5	5 ± 0.25	20		0	3	6	12	2		2		-11	-101		7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-0120-0160	120	160	0	10	5 ± 0.25	15		2	4	6	10	0.5	1	0.8	1.5	-12	-10	-115	-108	7.6 (.300)	7.6 (.300)	2.0 (.079)
RQLA-0140-0170	140	170	0	10	5 ± 0.25	15		2	4	6	7	0.6	1	1	2	-13	-10	-110	7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-0160-0165	160	165	1	4	5 ± 0.25	10	15	-4	-1	2	7	0.1		1		-12	-10	-112	-110	7.6 (.300)	7.6 (.300)	2.0 (.079)
RQLA-0204-0206	204	206	1	4	5 ± 0.25	10	15	-4	-1	2	6	0.5		1		-12	-10	-112	-110	7.6 (.300)	7.6 (.300)	2.0 (.079)
RQLA-0390-0410	390	410	0.5	4.5	5 ± 0.25	10	15	-3	0	3	12	1	1.5	1	1.5	-12	-9	-105	-100	7.6 (.300)	7.6 (.300)	2.0 (.079)
RQLA-0415-0435	415	435	0.5	4.5	5 ± 0.25	20		0	3	6	12	2		2		-11	-101		7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-0421-0431	421	431	0.5	2.8	5 ± 0.25	20		0	3	6	11	2		2		-11	-101		7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-0440-0470	440	470	0.5	4.5	5 ± 0.25	11	15	-3	0	3	11	2		2		-10	-101		7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-0750-0770	750	770	0.5	2.5	2.7 ± 0.1	10	18	1.5	4.5	7.5	20	5		10	-15	-10	-103		7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-1050-1150	1050	1150	0.5	4.5	5 ± 0.25	18	25	0	3	6	38	1.5	3	3	5	-10	-95	-90	7.6 (.300)	7.6 (.300)	2.0 (.079)	
RQLA-2290-2485	2290	2485	0	3.3	3 ± 0.1	18	25	8	10	12	80	35		25	-15	-86			7.6 (.300)	7.6 (.300)	2.0 (.079)	



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	max	min	min	max	typ	± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	max	typ Length x typ Width x max Height
RQLA-2290-2485-1	2290	2485	0	4	5 ± 0.25		16	25	7.5	10	13	60		10		25	-11		-90			7.6 (.300) x 7.6 (.300) x 2.0 (.079)	
RQLE-1380-1500	1380	1500	0	3	3 ± 0.1		13	20	-3	0	3	57		3		5	-15	-10	-93	-90		7.6 (.300) x 7.6 (.300) x 2.0 (.079)	
RQRA-0030-0035	30	35	1	20	5 ± 0.25		10	15	3	4	5	5		2		2	-10		-105			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0045-0077	45	77	1	10	5 ± 0.25		10	15	-3	0	3	10		1	2	1.5	3	-12	-8	-103	-100	12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0050-0080	50	80	1	10	5 ± 0.25		10	15	-3	0	3	9		1	2	1.5	3	-12	-8	-103	-100	12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0075-0082	75	82	0.5	4.5	5 ± 0.25			25	2	4	6	2	3	5	0.2		0.5		-20		-108	12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0100-0200	100	200	1.5	9.5	10 ± 0.25		16		8	10	12	21		5		35	-20		-99			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0114-0118	114	118	2	4	5 ± 0.25		15	25	-3	0	3	10		1		1			-117			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0114-0118-1	114	118	2	4	5 ± 0.25		10	13	-3	0	3	4		0.2	0.5	0.7	1	-12	-10	-118	-117	12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0125-0250	125	250	1	21	5 ± 0.25		10	15	-3	0	3	13		2		4		-10		-95		12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0140-0250	140	250	0	18	5 ± 0.25		15	20	-3	0	3	10		5		20	-10		-104			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0140-0250-1	140	250	0	18	5 ± 0.25		15	20	-3	0	3	10		5		20	-10		-104			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0145-0215	145	215	1	9.5	5 ± 0.25		20		0	4	8	13		5		2		-5	-108			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0150-0230	150	230	0	5	5 ± 0.25		20	25	4	6	8	25		2		5	-15		-105			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0150-0250	150	250	0	10	5 ± 0.25		9	15	0	3	6	19		1.2	1.7	0.4	1	-12	-10	-107		12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0150-0250-1	150	250	1	12	5 ± 0.25			14	-3	-0.5	2	8.5	12	15	2		1	-13	-8	-113	-106	12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0150-0300	150	300	0	20	15 ± 0.5		18	25	7	10	13	11		1		2	-18	-12	-102			12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0177-0223	177	223	0	5	5 ± 0.25		20	25	4	6	8			2		5		-20		-100	-90	12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0180-0200	180	200	0.5	4.5	5 ± 0.25		10	15	-2	0	2	12		1	2	1	2	-20	-15	-108	-104	12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0200-0260	200	260	0	5	5 ± 0.25		15	20	0	3	6	16		1	2	3	5	-20	-15	-105	-100	12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0200-0270	200	270	0	5	5 ± 0.25		15	20	0	3	6	18		1	2	3	5	-20	-15	-105	-100	12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0210-0225	210	225	0.3	3	3.3 ± 0.1		15	20	-3	0	3	12		5		5		-10		-104		12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0210-0270	210	270	0.5	4.5	5 ± 0.25		15	20	-1	1.5	4	24		1	5	1	5	-15	-10	-105		12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0210-0270-1	210	270	0.5	4.5	5 ± 0.25		20	25	4	6.3	8.5	25		5		5		-10		-105		12.7 (.500) x 12.7 (.500) x 5.5 (.217)	



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	max	min	min	max	typ	± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	max	typ	Length	Width
RQRA-0230-0245	230	245	0.1	4.5	5 ± 0.25		15	20	-1	1.5	4			1	5	1	5	-15	-10	-105		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0230-0245-1	230	245	0.1	5	7.5 ± 0.1		15		0	3	6	6		2		5		-20	-15	-100		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0250-0500	250	500	0.5	19	12 ± 0.5		20		7	10	13	20		1.5		3		-18	-12	-102		12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRA-0250-0500-1	250	500	0.5	19	15 ± 0.5		20		7	10	13			1.5		3		-15	-12	-102		12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRA-0300-0500	300	500	0	3	3 ± 0.15		15	25	-8	-5	-2	90	110	5		5		-20		-103		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0320-0340	320	340	1	4	5 ± 0.25		13	25	4	6.3	8.5	20		3		2		-10		-108		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0320-0400	320	400	0	14	12 ± 0.5		25	30	7			10		2	3	3	5	-15	-105	-100		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0320-0400-1	320	400	3	13	12 ± 0.5		25	30	7			10		2	3	3	5	-15	-105	-100		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0350-0410	350	410	0	5	5 ± 0.25		15	20	0	3	6	16		1	2	3	5	-20	-15	-105	-100		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0360-0380	360	380	0.5	4.5	5 ± 0.25		15		-3	0	3	9		1		1		-10		-95		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0370-0460	370	460	0.5	4.5	5 ± 0.25		14	25	4.5	7.3	10	37	60	2		1		-3		-107		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0370-0460-1	370	460	0.5	4.5	5 ± 0.25		14	25	4.5	7.3	10	34		1	2	1	2	-15	-10	-107		12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRA-0375-0420	375	420	0.5	4.5	5 ± 0.25		15		6	8	10	27		0.5	1	1		-10	-4	-110	-108		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0400-0600	400	600	0.5	15	15 ± 0.5		18	25	7	10	13	20		4		2		-15	-12	-102		12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRA-0400-0800	400	800	0	15	5 ± 0.25		35		3	5	7	25	30	2		5		-10		-95		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0406-0426	406	426	0.5	4.5	5 ± 0.25		10	15	0	3	6	12	30	0.5	2	1.5	3	-20	-15	-110	-105		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0450-0540	450	540	0	8	10 ± 0.25		20	30	1	4	7			1		2		-20		-100	-90		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0450-0550	450	550	0	8	10 ± 0.25		20	30	1	4	7	25		1		2		-10		-100			12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0450-0600-M	450	600	0	5	5 ± 0.25		12	20	0	3	6	44		1	2	2	5	-15	-12	-105	-100		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0452-0476	452	476	1	4	5 ± 0.25		10	30	-3	0	3	10	15	2		3		-25	-20	-115		12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRA-0465-0810	465	810	0.5	8	12 ± 0.5		20	25	3	8	12	56		2		3		-5		-106			12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0467-0493	467	493	0.5	4.5	5 ± 0.25		10	15	-3	0	3	13		0.5	1	2	3	-12	-10	-100			12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0470-0494	470	494	1	4	5 ± 0.25		10	12	-3	0	3			2		3		-25	-20	-115			12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0473-0503	473	503	0.5	4.5	5 ± 0.25		10	15	-3	0	3	15		0.5	1	2	3	-12	-10	-100			12.7 (.500)	12.7 (.500)	5.5 (.217)



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	max	min	min	max	typ	± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	max	typ	Length	Width
RQRA-0488-0512	488	512	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3	-25	-20	-115			12.7 (.500) x 12.7 (.500) x 3.6 (.140)			
RQRA-0500-0530	500	530	0.5	4.5	5 ± 0.25		10	15	-3	0	3	15		0.5	1	2	3	-12	-10	-100			12.7 (.500) x 12.7 (.500) x 5.5 (.217)		
RQRA-0500-0600	500	600	0	5	5 ± 0.25		15	25	5	7	9	30		0.5	1	1.5	2	-23	-18	-107	-104			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0510-0520	510	520	0.5	4.5	5 ± 0.25		10	15	-3	0	3	8		0.5	1	2	3	-10		-110				12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0518-0542	518	542	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3	-25	-20	-115					12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0520-0590	520	590	0	5	5 ± 0.25		15	25	5	7	9			0.5		1.5		-20		-100	-90			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0525-0575	525	575	0	5	5 ± 0.25		15	25	-2	0	2	18		2		5		-10		-105				12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0536-0560	536	560	1	4	5 ± 0.25		10	12	-3	0	3			2		3		-25	-20	-115				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0554-0578	554	578	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3		-25	-20	-115				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0575-0675	575	675	0.5	4.5	5 ± 0.25		25	35	-3	0	3	40			5		5	-8		-110				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0580-0590	580	590	0.5	4.5	5 ± 0.25			20	-3	-1	1	5		0.5	2	1	2	-15	-10	-110	-106			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0584-0608	584	608	1	4	5 ± 0.25		10	12	-3	0	3			2		3		-25	-20	-115				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0600-0650	600	650	0	3	5 ± 0.25		20	30	0	2	4	25		1	2	1	2	-20	-15	-105				12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0600-0670	600	670	0	5	5 ± 0.25		15	20	0	3	6	10		1	2	3	5	-20	-15	-105	-100			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0614-0639	614	639	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3		-25	-20	-115				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0620-0625	620	625	0.5	2.5	3 ± 0.15		15	18	2	4	6	8		0.5	1	0.5	1	-25	-18	-112	-110			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0623-0873	623	873	0	5	5 ± 0.25		15	20	0	3	6	65		1.5	3	3	5	-20	-15	-105	-100			12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0632-0657	632	657	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3		-25	-20	-115				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0640-0945	640	945	0	9	9 ± 0.25		15	25	6	9	12	50			5		10	-5		-93				12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0656-0680	656	681	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3		-25	-20	-115				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0668-0692	668	692	1	4	5 ± 0.25		10	12	-3	0	3			2		3		-25	-20	-115				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0680-0704	680	704	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3		-25	-20	-115				12.7 (.500) x 12.7 (.500) x 3.6 (.140)	
RQRA-0680-0720	680	720	0.5	4.5	5 ± 0.25		19		2	3.5	5	29		1		1		-10		-110				12.7 (.500) x 12.7 (.500) x 5.5 (.217)	
RQRA-0695-0725	695	725	0.2	4.8	5 ± 0.25		15	25	1	3	5	13	18	2		3		-20	-15	-112	-110			12.7 (.500) x 12.7 (.500) x 3.6 (.140)	



← Available standard packages: RQR, RQC, RQL, RQS

Raltron VCO Part Number	Freq Range [MHz]		Tuning Voltage [V]		Supply Voltage [V]		Supply Current [mA]		Output Power [dBm]			Tuning Sensitivity [MHz/V]		Pushing [MHz/V]		Pulling [MHz]		Harmonics [dBc]		Phase Noise [dBc/Hz]		Package Dimensions [mm / inch]			
	max	min	min	max	typ	± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	max	typ	Length	Width
RQRA-0695-0725-1	695	725	0.2	4.8	5 ± 0.25		15	25	1	3	5	13	18	2		3			-20	-15	-112	-110	12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0698-0722	698	722	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3			-25	-20	-115		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0712-0728	712	728	0	8	12 ± 0.25		15	30	8	13		8		1		1			-5		-115	-108	12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0722-0746	722	746	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3			-25	-20	-115		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0730-0790	730	790	0	5	5 ± 0.25		15	20	0	3	6	16		1	2	3	5		-20	-15	-105	-100	12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0732-0756	732	756	1	4	5 ± 0.25			30	-3	0	3	10	20	2		2			-15		-107	-105	12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0732-0757	732	757	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3			-25	-20	-115		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0740-0780	740	780	0.5	4.5	5 ± 0.25		15		-3	0	3	17		3		2			-10		-100		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0750-0776	750	776	0.5	4.5	8 ± 0.4		25		0	3	6	10	15	25	1.5		3		-22		-105		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0750-0840	750	840	0.5	5	5 ± 0.25		15	20	0	3	5			2		3			-25	-16	-102		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0770-0800	770	800	0.2	4.8	5 ± 0.25		15	25	1	3	5	13	18	2		3			-15		-110		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0775-0800	775	800	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3			-25	-20	-115		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0775-0800-1	775	800	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3			-20		-110		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0780-0800	780	800	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3			-20	-15	-110		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0798-0822	798	822	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3			-25	-20	-115		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0810-0900	810	900	0.5	5	5 ± 0.25		15	20	0	3	5	30		2		3			-25	-16	-102		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0820-0830	820	830	0.5	4.5	5 ± 0.25		20		-3	-1	1	5		0.5	2	1	2		-15	-10	-110	-106	12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0830-0940	830	940	0.5	5	5 ± 0.25		15	20	0	3	5			2		3			-20		-100	-90	12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0840-0950	840	950	0.5	5	5 ± 0.25		15	20	0	3	5			2		3			-25	-16	-102		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0840-0970	840	970	0	5.5	5 ± 0.25		25	3.5	6	8.5		36		4		25					-92		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0841-0865	841	865	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3			-25	-20	-115		12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-0900-1000	900	1000	0.5	5	5 ± 0.25		22		3	6	9	30		1	1.5	4	5		-10		-104		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0900-1000-1	900	1000	0.5	5	5 ± 0.25		22		3	6	9	30		1	1.5	4	5		-10		-104		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRA-0900-1000-2	900	1000	0.5	5	5 ± 0.25		22		3	6	9	30		1	1.5	4	5		-10		-104		12.7 (.500)	12.7 (.500)	5.5 (.217)



# Voltage Controlled Oscillator - VCO Selector Guide

← Available standard packages: RQR, RQC, RQL, RQS

Raltron VCO Part Number	Freq Range [MHz]		Tuning Voltage [V]		Supply Voltage [V]		Supply Current [mA]		Output Power [dBm]			Tuning Sensitivity [MHz/V]			Pushing [MHz/V]		Pulling [MHz]		Harmonics [dBc]		Phase Noise [dBc/Hz]		Package Dimensions [mm / inch]			
	max	min	min	max	typ	± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	max	typ	Length	Width	max Height
RQRA-0900-1100-1	900	1100	1	4	5 ± 0.25		11	16	0	3	6	55	100	2	5	2	5	-8	-95	-90			12.7 (.500)	12.7 (.500)	3.6 (.142)	
RQRA-0915-0935	915	935	2	6	8 ± 0.25		10	15	-3	0	3	10		1.5	2	2	3	-20	-15	-102			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-0920-0960	920	960	0.5	4.5	5 ± 0.25		15		-2	0	2	15		2		2		-15	-102				12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-1000-1200	1000	1200	1	9	5 ± 0.25		15		-3	0	3	25	33	50	1.3	3	2.3	3	-10	-104	-93			12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRA-1025-1100	1025	1100	0.5	5	5 ± 0.25		25		3	5	7	27		5				-15		-90			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-1070-1115	1070	1115	0.5	4.5	5 ± 0.25		15	20	-3	0	3	17		2.5		2		-12	-95				12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-1100-1300	1100	1300	0	5	5 ± 0.25		20	25	-2	-1	0	57		1		3.3		-25	-15	-100			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-1155-1195	1155	1195	0.5	4.5	5 ± 0.25		15	20	-3	0	3	10		2.5		2		-12	-95				12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRA-1188-1212	1188	1212	0	8	12 ± 0.25		15	30	8	13		9		1		1		-5	-115	-108			12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRA-1930-1990	1930	1990	1	4.5	5 ± 0.25		14		-3	0	3	30	36	40	0.2	0.4	2	3	-10	-101	-95			12.7 (.500)	12.7 (.500)	3.6 (.140)
RQRB-0900-1200	900	1200	0	8	5 ± 1		25		8	10	12	60		3		10		-10	-102				12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRB-0925-1650	925	1650	3	21	5 ± 0.25		16		4.5	7	9.5	57		2		20		-8	-102				12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRB-1000-1600	1000	1600	0	10	5 ± 0.25		25		3	6	9	75		10		10		-10		-90			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRC-0695-0725	695	725	0.2	4.8	5 ± 0.25		15	25	1	3	5	13	18	2		3		-20	-15	-115			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRC-0700-1200	700	1200	1.5	13	15 ± 0.5		27		8	11	13	65		0.5	1.5	6	10	-20	-15	-103	-100			12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRC-0775-0800	775	800	1	4	5 ± 0.25		10	12	-3	0	3	10	15	2		3		-20	-116				12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRC-0788-0812	788	812	0.2	4.8	5 ± 0.25		15	25	0	3	6	10	15	2		3		-20	-15	-115			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRC-0860-0872	860	872	0.3	4.7	12 ± 0.5		20	25	10	12	14	9		3	6	5	10	-20	-15	-115			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRC-0902-0928	902	928	0.3	4.7	12 ± 0.5		20	25	10	12	14	13		3	6	5	10	-20	-15	-115			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRC-1995-2025	1995	2025	0.5	4.5	5 ± 0.25		18	25	1	3	5	15		1	10	2	10	-22	-15	-107	-105			12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRD-0600-1500	600	1500	0.5	18	12 ± 0.25		40		5	7.5	10	90		5		10		-7		-95			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRD-0800-1600	800	1600	1	21	11.5 ± 0.5		15	20	5	8	11	60		1	2		20	-9	-5	-101			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRD-0900-1400	900	1400	1	11	8 ± 0.25		14	20	-3	0	3	50		3	5	4	10	-11	-8	-100	-94			12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRD-0900-1600	900	1600	1	15	12 ± 0.25		30		8	10	12	65		1.5		18		-23		-103			12.7 (.500)	12.7 (.500)	5.5 (.217)	



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Raltron VCO Part Number	Freq Range [MHz]		Tuning Voltage [V]		Supply Voltage [V]	Supply Current [mA]	Output Power [dBm]			Tuning Sensitivity [MHz/V]		Pushing [MHz/V]	Pulling [MHz]	Harmonics [dBc]	Phase Noise [dBc/Hz]		Package Dimensions [mm / inch]										
	max	min	min	max	typ ± tol	typ	min	typ	max	min	typ	max	typ	max	typ	max	typ	Length	Width	max Height							
RQRD-0900-1800	900	1800	0	20	5 ± 0.25	35	3	5	7	40	60	5	15	-10	-95		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)			
RQRD-1000-1600	1000	1600	0	10	5 ± 0.25	25	3	6	9	75		10	10	-7	-90		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)			
RQRD-1000-1760	1000	1760	0	9.5	10 ± 0.5	22 30	6	8.5	11	95		4	15	-5	-101		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)			
RQRD-1340-1600	1340	1600	3	13	12 ± 0.5	25	7			38	7	10	8	10	-15	-10	-95		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRD-1420-2470	1420	2470	0.5	12	15 ± 0.5	26	9	10	11	110	10	15			-14	-84		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRD-1420-2470-1	1420	2470	1	11	15 ± 0.5	25	5	7	9	90	10	15			-10	-85		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRD-1500-1650	1500	1650	0.5	4.5	5 ± 0.25	20 25	0	2.5	5	40	1.5	2	5	7	-10	90		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRD-1600-2350	1600	2350	1	11	15 ± 0.5	25	5	7	9	90	10	15			-10	-85		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRD-1700-1800	1700	1800	1	6	5 ± 0.25	15	0	2.5	5	45	2	7			-10	-90		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRD-1800-1900	1800	1900	1	6	5 ± 0.25	15	0	2.5	5	50	3	5			-10	-90		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-0900-1350	900	1350	0.5	12	5 ± 0.25	14 20	3	6	9	56	3	4			-11	-94		12.7	(.500)	x	12.7	(.500)	x	3.6	(0.140)		
RQRE-0900-1400	900	1400	1	11	8 ± 0.25	14 20	-3	0	3	70	3	5	4	10	-11	-8	-100	-94		12.7	(.500)	x	12.7	(.500)	x	3.6	(0.140)
RQRE-0950-1700	950	1700	0	20	12 ± 0.5	20 30	8	11	14	54	8	15	8	15	-9	-5	-97		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-0950-1750	950	1750	0	20	12 ± 0.5	20 35	8	11	14	57	8	15	8	15	-9	-5	-97		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1100-1500	1100	1500	0.5	11.5	5 ± 0.25	15 25	-3	0	3	40	60	80	5	15	-15	-10	-92		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1200-1800	1200	1800	0	10	5 ± 0.25	25	3	6	9	75	10	10			-10	-7	-98	-95		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)
RQRE-1200-2000	1200	2000	0	10	5 ± 0.25	25	-3	0	3	109	10	10			-10	-7	-98	-95		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)
RQRE-1200-2200	1200	2200	1	20	5 ± 0.25	20 25	6	8.5	11		5	18			-13	-98		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1300-1400	1300	1400	0	5	5 ± 0.25	20 25	5	7	9	30	2	5	2	5	-15	-10	-98		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1305-1595	1305	1595	1.5	10.5	12 ± 0.5	24	7.5	10	13	43	2	17			-10	-99		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1305-1595-1	1305	1595	2	9.5	12 ± 0.25	26	8	11	13	50	2	12			-10	-103		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1340-1390	1340	1390	0	14	12 ± 0.5	25 30	7			5	2	3	7	10	-15	-100	-96		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1350-1400	1350	1400	0.5	4.5	5 ± 0.25	20 25	5	7	9	21	2	5	2	5	-15	-10	-101		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1400-1500	1400	1500	0	8	10 ± 0.25	20 30	1	4	7	25	2	5			-10	-100		12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		



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Raltron VCO Part Number	Freq Range [MHz]		Tuning Voltage [V]		Supply Voltage [V]		Supply Current [mA]		Output Power [dBm]			Tuning Sensitivity [MHz/V]			Pushing [MHz/V]		Pulling [MHz]		Harmonics [dBc]		Phase Noise [dBc/Hz]		Package Dimensions [mm / inch]									
	max	min	min	max	typ	± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	max	typ	Length	Width	max Height						
RQRE-1400-2050	1400	2050	1.75	12	12 ± 0.5		18	25	3	6.5	10	84		6	15	7	15	-8		-98			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1400-2100	1400	2100	1	20	10 ± 0.25		20	30	4	7	10	50		10		10			-5	-94			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1430-1470	1430	1470	0	5	5 ± 0.25		20	25	0	3	6	10		2	3	5	10	-15	-10	-100	-96			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1480-1520	1480	1520	0	5	5 ± 0.25		20	25	0	3	6	10		2	3	5	10	-15	-10	-100	-96			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1500-1600	1500	1600	0.5	4.5	5 ± 0.25		15		-2	0	2	35		10		10			-20	-100			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1500-1800	1500	1800	0.25	4.75	12 ± 0.5		15	25	3	6	10	92		25		25			-6		-93			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1500-2500	1500	2500	1	20	10 ± 0.25		20	30	4	7	10	70		10		10			-5	-95			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1500-2500-1	1500	2500	1	20	10 ± 0.25		20	30	4	7	10			10		10			-5	-95			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1500-2750	1500	2750	1	20	10 ± 0.25		20	30	4	7	10	70		10		10			-5	-93			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1550-1600	1550	1600	0	14	12 ± 0.5		25	30	7			5		2	3	7	10	-15	-100	-96			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1555-1600	1555	1600	0	5	5 ± 0.25		15	20	-3	0	3	31		1.5	3	2	4	-18	-13	-98	-95			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1559-1635	1559	1635	0.5	2.7	3 ± 0.25		6	8	-6	-3	0	45	55	70	1.2	2	4	7	-12	-8	-102	-95			12.7	(.500)	x	12.7	(.500)	x	3.6	(0.140)
RQRE-1570-1670	1570	1670	0.5	4.5	5 ± 0.25		15		-3	0	3	44		2		3.5			-15	-95			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1645-1665	1645	1665	0.5	4.5	5 ± 0.25		15	25	2	4	6	45		1		5					-102			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1700-1800	1700	1800	0.5	4.5	5 ± 0.25		15		-3	0	3	40		2		4.5			-15	-100			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1776-1837	1776	1837	0.5	4.5	8 ± 0.4		30		0	3	6	22	30	44	1.5		3			-27		-98			12.7	(.500)	x	12.7	(.500)	x	3.6	(.140)
RQRE-1800-2100	1800	2100	0.25	4.75	12 ± 0.5		15	25	3	6	10	92		25		25			-6		-93			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1800-2200	1800	2200	0.5	18	15 ± 0.5		22		5	8	11	30		2		8			-15	-12	-88			12.7	(.500)	x	12.7	(.500)	x	3.6	(.140)	
RQRE-1800-2510	1800	2510	1.75	12	12 ± 0.5		15	25	3	6.5	10	75		25		25			-6		-93			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1820-2480	1820	2480	0.5	9.5	10 ± 0.25		13		3	6	9	95		5		20			-5	-96			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)		
RQRE-1850-1950	1850	1950	1	6	5 ± 0.25		15		0	2.5	5	20	35	50	2	4	2	5		-10	-98	-92			12.7	(.500)	x	12.7	(.500)	x	3.6	(.140)
RQRE-1900-2270	1900	2270	2	10	12 ± 0.5		15	25	4	7	10	61		5		25			-17		-91			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1900-2270-1	1900	2270	2	10	12 ± 0.5		15		4	7	10	50		25		25			-17		-91			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	
RQRE-1945-2020	1945	2020	0	5	5 ± 0.25		15	25	-3	0	3	20		4	7	5	10	-17	-10	-95	-92			12.7	(.500)	x	12.7	(.500)	x	5.5	(.217)	





# Voltage Controlled Oscillator - VCO Selector Guide

← Available standard packages: RQR, RQC, RQL, RQS

Raltron VCO Part Number	Freq Range [MHz]		Tuning Voltage [V]		Supply Voltage [V]	Supply Current [mA]		Output Power [dBm]			Tuning Sensitivity [MHz/V]			Pushing [MHz/V]		Pulling [MHz]		Harmonics [dBc]		Phase Noise [dBc/Hz]		Package Dimensions [mm / inch]			
	max	min	min	max	typ ± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	max	typ	Length	Width	max Height
RQRE-1950-2500	1950	2500	1	8.5	5 ± 0.25	14	17	-2	1	4	95			3	6	5	8	-15	-8		-86	12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2000-2200	2000	2200	0.5	4.5	5 ± 0.25		15	-3	0	3	44	67	88	1.5	3	5	7		-10	-90	-84	12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRE-2040-2080	2040	2080	0	5	5 ± 0.25	20	25	0	3	6	10			2	3	5	10	-15	-10	-100	-96	12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2074-2260	2074	2260	0.2	4.8	5 ± 0.25	15	25	0	2	4				1		12				-98		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2074-2284	2074	2284	0.2	4.8	5 ± 0.25	15	25	0	2	4	64			1		3				-98		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2100-2180	2100	2180	0.5	4.5	5 ± 0.25	15	20	-2	0	2	30			1.2	2	5	8	-15	-12	-100	-97	12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2100-2200	2100	2200	1	6	5 ± 0.25		20	-3	0	3	20	35	50	1	2	5	7		-10	-98	-92	12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRE-2100-2300	2100	2300	0.5	4.5	5 ± 0.25		16	-3	0	3	55	80	110	3	5	5	7	-14	-10	-95	-89	12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRE-2100-2800	2100	2800	1	20	10 ± 0.25	20	30	4	7	10	50			10		10			-5	-93		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2165-2650	2165	2650	0.5	19	12 ± 0.5		25	2	5	8	35			1	3	5	8	-18	-12	-101	-96	12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2170-2250	2170	2250	0.5	4.5	5 ± 0.25	15	20	-2	0	2	30			1.2	2	5	8	-17	-12	-100	-97	12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2230-2570	2230	2570	1.5	10.5	10 ± 0.25	25		2	6	10	50			20		20			-20	-91		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2250-2350	2250	2350	0	5	5 ± 0.25	15		1	4	7	52			2		15			-20	-98		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2260-2340	2260	2340	0.5	4.5	5 ± 0.25	15	20	-2	0	2	30			1.8	3	5	8	-15	-12	-100	-97	12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2270-2540	2270	2540	2	15	5 ± 0.25	15	20	4	6	8	32			2		5			-18	-10	-100		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRE-2275-2475	2275	2475	0.5	8	5 ± 0.25	16		0	3	6	40			4		12			-15	-94		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2300-2400	2300	2400	1	6	5 ± 0.25	16		-3	0	3	20	35	50	2	3	5	7	-15	-10	-96	-87	12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRE-2300-2500	2300	2500	1.5	9.5	10 ± 0.25	16		8	10	12	40			5		35			-20	-99		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2300-2500-1	2300	2500	2	10	12 ± 0.25	25	30	8	10	12	40			5		15			-20	-100		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2300-2700	2300	2700	0	8	5 ± 0.25	15	25	-3	0	3	65			4	7	5	10	-17	-10	-92	-90	12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2400-2480	2400	2480	0.3	2.7	3.15 ± 0.15		25	-3	0	3	45			2	3	3	5	-15		-102		12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRE-2450-2510	2450	2510	0	5	5 ± 0.25	25		-3	-0.5	2	38			0.6		0.3			-20	-102		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2450-3050	2450	3050	0.5	10.5	5 ± 0.25	13	25	-1	2	5	80			12		10			-10	-92		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2450-3050-1	2450	3050	0.5	10.5	5 ± 0.25	13	25	-1	2	5				12		10			-10	-92		12.7 (.500)	12.7 (.500)	5.5 (.217)	



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Raltron VCO Part Number	Freq Range [MHz]		Tuning Voltage [V]		Supply Voltage [V]		Supply Current [mA]		Output Power [dBm]			Tuning Sensitivity [MHz/V]			Pushing [MHz/V]		Pulling [MHz]		Harmonics [dBc]		Phase Noise [dBc/Hz]		Package Dimensions [mm / inch]					
	max	min	min	max	typ	± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	max	typ	Length	Width	max Height		
RQRE-2516-2655	2516	2655	0.5	7.5	5 ± 0.25		13	18	2	4	6	30			5		25			-20		-96		12.7 (.500)	12.7 (.500)	5.5 (.217)		
RQRE-2663-2713	2663	2713	0	3	3 ± 0.15		15	25	-8	-5	-2	25			10		10			-20	-15	-88		12.7 (.500)	12.7 (.500)	5.5 (.217)		
RQRE-2700-2900	2700	2900	0	8	10 ± 0.25		25	35	1	4	7	40			5		5			-10		-90		12.7 (.500)	12.7 (.500)	5.5 (.217)		
RQRE-2710-2910	2710	2910	0.5	4.5	5 ± 0.25		15	20	-1	2	5	90			4	8	7	10			-9	-97	-90		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-2710-3010	2710	3010	0.5	5.5	5 ± 0.25		14	20	-3	0	3	80	102		7	10	7	10			-15	-10	-95	-90		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRE-2750-2940	2750	2940	0.5	4.5	5 ± 0.25		20		-2	1	4	60			3	5	5	10			-15	-10	-95	-90		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRE-2865-3100	2865	3100	0.5	4.5	5 ± 0.25		15	20	-2	1	4	81			4	8	7	10			-15	-97	-90		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-3015-3085	3015	3085	0.5	4.5	5 ± 0.25		20	25	-2	0	2	28			10		20				-15	-95			12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-3166-3357	3166	3357	0.5	5	5 ± 0.25		30		-3	0	3	60			8		10				-15	-95	-93		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-3215-3260	3215	3260	0.5	4.5	5 ± 0.25		20	25	-2	0	2	20			10		20				-20	-15	-95		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-3276-3469	3276	3469	0.5	5	5 ± 0.25		30		-3	0	3	61			8		10				-15	-95	-93		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-3400-3600	3400	3600	0	8	10 ± 0.25		25	35	1	4	7	40			10		10				-10		-80		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRE-3900-4200	3900	4200	0.5	5	5 ± 0.25		20		0	3	6	92			10		20				-10		-85		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRF-1700-1800	1700	1800	1	6	5 ± 0.25		15		0	2.5	5	45			2		7				-10		-95		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRF-1800-1900	1800	1900	1	6	5 ± 0.25		15		0	2.5	5	50			3		5				-10		-94		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRF-2890-3010	2890	3010	0.5	4.5	5 ± 0.25		35		1	3	5	18			15		5				-15		-105		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRF-2930-2970	2930	2970	0.5	4.5	5 ± 0.25		35		1	3	5	18			15		5				-15		-105		12.7 (.500)	12.7 (.500)	5.5 (.217)	
RQRG-0720-1200	720	1200	0	20	12 ± 0.25		15	30	5	8	13	38			10		10				-5		-98	-95		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRG-0720-1750	720	1750	1	20	10 ± 0.25		15	30	3	5.5	10	75			10		10				-5		-100	-98		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRG-1000-2000	1000	2000	1	20	10 ± 0.5		15	30	3	5.5	8	75			10		10				-5		-100		12.0 (.475)	12.0 (.475)	3.3 (.130)	
RQRH-0150-0250	150	250	1	9	5 ± 0.25		12	20	0	3	6			1.5		0.4					-12	-107			12.7 (.500)	12.7 (.500)	3.6 (.140)	
RQRH-0224-0450	224	450	1	18	3 ± 0.1		25		-3	0	3	22			2	4	5	10			-15	-10	-100	-95		12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRH-0350-0700	350	700	0	10	5 ± 0.25		18		1	5	9	45			5		5				-4		-100			12.7 (.500)	12.7 (.500)	5.5 (.217)
RQRH-0400-0800	400	800	0	20	3.3 ± 0.15		12	15	0	3	6	31			3	5	4	8			-12	-9	-94	-90		12.7 (.500)	12.7 (.500)	5.5 (.217)



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Raltron VCO Part Number	Freq Range [MHz]		Tuning Voltage [V]		Supply Voltage [V]	Supply Current [mA]	Output Power [dBm]			Tuning Sensitivity [MHz/V]		Pushing [MHz/V]	Pulling [MHz]	Harmonics [dBc]	Phase Noise [dBc/Hz]		Package Dimensions [mm / inch]					
	max	min	min	max	typ ± tol	typ	min	typ	max	min	typ	max	typ	max	typ	max	typ	Length	Width	Height		
RQRH-0600-1200	600	1200	0.5	20	5 ± 0.25	25	0	4	8	45		10	20	-9	-5	-90	12.7 (.500)	12.7 (.500)	5.5 (.217)			
RQSV-2400-2500	2400	2500	0.3	2.5	3 ± 0.15	12	1	3	5	70	85	10	8	-15		-88	9.0 (.354)	7.0 (.276)	2.0 (.079)			
RQSW-0954-0980	954	980	0.7	2.7	3.35 ± 0.25	6.4	-5	-3	0	23	28	0.8	2	-10		-100	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-0115-0135	115	135	0	3	3.3 ± 0.1	6	10	-3	0	3	10	0.6	1	0.7	1	-10	-107	8.0 (.315)	6.0 (.236)	2.0 (.079)		
RQSX-0451-0470	451	470	0.5	3	3.3 ± 0.1	10	-3	0	3	16		4	1	-15		-95	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-0741-0755	741	755	0.5	2.2	2.84 ± 0.1	5	-11	-8	-5	12	15	10	2	-18		-93	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-0741-0755-S)	741	755	0.5	2.2	2.84 ± 0.1	5	-3	0	3	9	12	15	2	2	-20	-95	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-0795-0835	795	835	0.7	2.7	3 ± 0.15	8	-3	0		20				-10		-100	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-0880-0912	880	912	0.7	2.7	3 ± 0.15	8	-3	0		16				-10		-100	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-0880-0915	880	915	0.7	3.8	3.2 ± 0.15	20	4			12		10	2	-15		-100	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-0940-0980	940	980	0.5	3	3 ± 0.1	8	-3	0	3	20		10	10	-10		-95	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-1390-2139-DE	1396	1385	0.5	2.35	2.8 ± 0.1	15	-3	0	3	14	18	22	6	10	-10	-90	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-1390-2139-DE	2104	2174	0.5	2.35	2.8 ± 0.1	15	-3	0	3	46	56	66	6	10	-20	-90	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-1408-1443	1408	1443	0.3	2.4	2.8 ± 0.15	15	20	-3	0	3	27	5	10	5	10	-25	-15	-96	-94	8.0 (.315)	6.0 (.236)	2.0 (.079)
RQSX-1626-1661	1626	1661	0.3	2.4	2.8 ± 0.15	15	20	-3	0	3	27	5	10	5	10	-15	-96	-94	8.0 (.315)	6.0 (.236)	2.0 (.079)	
RQSX-1704-1791	1704	1791	0.8	2.25	2.75 ± 0.15	25	50	5	7.5	10	60	70	80	13	3	-18	-15	-93	-90	8.0 (.315)	6.0 (.236)	2.0 (.079)
RQSX-1710-1785	1710	1785	0.6	2.1	2.7 ± 0.1	25	40	5	7.5	10	59	70	81	10	3	-18	-15	-93	-90	8.0 (.315)	6.0 (.236)	2.0 (.079)
RQSX-1710-1920	1710	1920	0.3	2.4	2.8 ± 0.1	20	2	5	8	125	140	10	10	-12		-90	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-1800-1930	1800	1930	0.5	3	3 ± 0.1	20	-3	0	3	70		10	10	-10		-90	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-1850-1910	1850	1910	0.5	2.3	2.8 ± 0.15	25	60	7	10	13	45	55	65	13	4	-15	-10	-93	-90	8.0 (.315)	6.0 (.236)	2.0 (.079)
RQSX-2023-2125	2023	2125	0.5	2.2	2.84 ± 0.1	15	-3	0	3	80	90	20	3	-15		-90	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-2023-2125-S)	2023	2125	0.5	2.2	2.84 ± 0.1	10	-3	0	3	70	80	90	2	2	-15	-90	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-2112-2212	2112	2212	0.5	2.5	3 ± 0.1	12	-3	0	3	62	70	10	10	-15		-95	8.0 (.315)	6.0 (.236)	2.0 (.079)			
RQSX-2400-2480	2400	2480	0.3	2.7	3.15 ± 0.15	25	-3	0	3	45	7	10	1	2	-20	-15	-98	12.7 (.500)	12.7 (.500)	3.6 (.140)		



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	max	min	min	max	typ ± tol	typ	max	min	typ	max	min	typ	max	typ	max	typ	max	typ	max	typ	Length	Width
RQSX-2400-2500	2400	2500	0	2.4	3.3 ± 0.15	10	12	-3	0	3	60	4	5	3	5	-20	-15	-90	8.0 (.315) x 6.0 (.236) x 2.0 (.079)			
RQSX-2400-2500-1	2400	2500	0.5	2.5	3 ± 0.15	10	12	-3	0	3	70	4	10	5	8	-20	-15	-96 -90	8.0 (.315) x 6.0 (.236) x 2.0 (.079)			
RQSX-3400-3880	3400	3880	0	5	3.3 ± 0.15	15	25	-3	0	5	130	5	10	5	10	-20	-15	-90	8.0 (.315) x 6.0 (.236) x 2.0 (.079)			
RQUS-0999-1024	999	1024	0.4	2.2	3 ± 0.05	7	10	-4	-1	2	23	1.5	3	2	4	-20	-15	-100 -96	5.0 (.197) x 4.0 (.158) x 1.85 (.073)			
RQUS-1696-1712	1696	1712	0.5	2.5	3 ± 0.3	10		-3	0	3	8	2.5	5		4	-15	-92	-92	5.0 (.197) x 4.0 (.158) x 1.60 (.059)			
RQUS-2097-2158	2097	2158	0.5	2.5	3 ± 0.25	7	10	-3	0	3	49	2.5	5	2	5	-20	-10	-98 -92	5.0 (.197) x 4.0 (.158) x 1.80 (.071)			
RQUT-0741-0755	741	755	0.5	2.2	2.84 ± 0.14	5		-11	-8	-5	9 12 15				4	-18	-93	-93	5.5(.217) x 4.8(.189) x 1.7(.067)			
RQUT-1980-2010	1980	2010	0.5	2.5	3 ± 0.3	10	12	-3	0	3	24	8	15	1.5	5	-20	-10	-98 -92	5.5 (.217) x 4.8 (.189) x 1.85 (.073)			
RQUT-2023-2125	2023	2125	0.5	2.2	2.84 ± 0.14	15		-3	0	3	70 80 90				6	-15	-90	-90	5.5(.217) x 4.8(.189) x 1.7(.067)			
RQUX-0303-0363	303	363	0.5	4.5	3 ± 0.3	10	15	-3	0	3	15 25 35	5		4		-10	-95	-95	9.0 (.354) x 7.0 (.276) x 1.9 (.075)			
RQUX-0441-0468	441	468	0.5	2.5	2.8 ± 0.15	11		0	3	6	22	5		5		-10	-100	-100	9.0 (.354) x 7.0 (.276) x 2.0 (.079)			
RQUX-0897-1747-DE	1785	1710	0.5	2.3	2.8 ± 0.1	40		7	10	13	55 70 85	6	10	2	3	-15	-10	-93 -90	9.8 (.386) x 7.0 (.276) x 1.9 (.075)			
RQUX-1777-1837	1777	1837	0.5	2.5	3 ± 0.3	15	20	-3	0	3	42 54 66	3		2		-10	-95	-95	9.0 (.354) x 7.0 (.276) x 1.9 (.075)			
RTVCA-450-10	470	430	0	3.5	5 ± 0.25	10	12	0	2	4	17 19 25	0.5	2	1	3	-12	-9	-104 -98	12.6 (.496) x 10.2 (.400) x 4.2 (.165)			