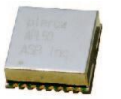
Advanced Semiconductor Business Inc.

(A specific application circuit available upon customer's request.)

Product Selection Guide



PLL Synthesizer

Last Update : 2010. 12. 30

■ APL

Part Number	Freq. Range(Max) Min.	Freq. Range(Max) Max.	Output Level (dBm)	Supply Voltage (V)	Current (mA)	2nd Harmonics (dBm)	Spurious Level (dBc)	Phase Noise (dBc/Hz) 10KHz	Phase Noise (dBc/Hz) 100KHz
APL0039.19-R/T	39.19		7	5±0.25	≤35	≤-20	≤-65	≤-105	≤-115
APL0050	45	55	7±1	5±0.25	≤30	≤-25	≤70	≤-110	≤-120
APL0075	70	80	7±1	5±0.25	≤30	≤-25	≤70	≤-110	≤-120
APL0093.19-R/T	93.19		7	5±0.25	≤35	≤-20	≤-65	≤-103	≤-115
APL0098-R	98		5±2	5	≤ 40	≤ -20	≤ -68	≤ -103	≤ -115
APL0100	100		5±1	5±0.25	≤30	≤-25	≤70	≤-109	≤-120
APL0100-R	100		5±2	5±0.2	≤35	≤-20	≤67	≤-100	≤-115
APL0100-R/T	100		5±1	5	≤ 40	≤ -20	≤ -65	≤ -103	≤ -115
APL0115	110	120	5±2	5±0.25	≤30	≤-25	≤70	≤-110	≤-120
APL0120-R	120		5±2	5±0.2	≤ 35	≤ -15	≤ -65	≤ -102	≤ -115
APL0135	135		5±1	5±0.25	≤30	≤-25	≤70	≤-109	≤-120
APL0146-R	146		5±2	5±0.2	≤ 35	≤ -15	≤ -65	≤ -102	≤ -115
APL0155	150	160	5±1	5±0.25	≤30	≤-25	≤70	≤-109	≤-120
APL0160	150	170	4±3	5±0.25	≤35	≤-15	≤-70	≤-97	≤-115
APL0165-R	165		4±2	5	≤40	≤-20	≤-65	≤-102	≤-115
APL0189	189.25		5±1	5±0.25	≤30	≤-25	≤70	≤-108	≤-120
APL0189.19-R/T	189.19		7	5±0.25	≤35	≤-20	≤-65	≤-103	≤-115
APL0206-R	206		4	5±0.25	≤ 40	≤ -20	≤ -67	≤ -102	≤ -115
APL0215	210	220	5±1	5±0.25	≤30	≤-25	≤70	≤-107	≤-120
APL0285.19-R/T	285.19		7	5±0.25	≤35	≤-20	≤-65	≤-102	≤-115
APL0318.5-R	318.5		4±2	5	≤ 40	≤ -20	≤-65	≤-102	≤-115
APL0335	330	340	3±2	5	≤23	≤-25	≤75	≤-105	≤-120
APL0341.5	326.5	356.6	5	5	25	-20	-65	-100	-110
APL0360	350	370	5±1	5±0.25	≤30	≤-25	≤70	≤-107	≤-122
APL0381.19-R/T	381.19		7	5±0.25	≤35	≤-20	≤-65	≤-102	≤-115
APL0385	385.225		4±1	5±0.25	≤30	≤-25	≤70	≤-107	≤-122
APL0400	390	410	3±2	5±0.3	≤25	≤-25	≤78	≤-105	≤-120
APL0405	400	475	5±1	5±0.25	≤30	≤-25	≤70	≤-106	≤-122
APL0416.5-R	416.5		4±2	5	≤40	≤-20	≤-65	≤-102	≤-115
APL0434-T	433	435	4±2	5±0.2	≤40	≤-20	≤-68	≤-100	≤-115
APL0441.5	426.5	456.5	5±3	5±0.2	≤35	≤-15	≤-65	≤-97	≤-115
APL0450-R	450		5±2	5±0.25	≤35	≤-20	≤-70	≤-100	≤-115
APL0470	465	475	3±2	5	≤23	≤-25	≤75	≤-105	≤-120
APL0477.19-R/T	477.19		7	5±0.25	≤35	≤-20	≤-65	≤-102	≤-115
APL0518	513	523	5±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-122
APL0562.75-R/T	562.75		4±2	5±0.2	≤35	≤-20	≤-68	≤-100	≤-115
APL0565-T	555	575	7±2	5±0.2	≤40	≤-20	≤-68	≤-100	≤-110
APL0566.5-R/T	566.5		4±2	5±0.2	≤35	≤-20	≤-68	≤-100	≤-115
APL0570.25-R/T	570.25		4±2	5±0.2	≤35	≤-20	≤-68	≤-100	≤-115
APL0574-R/T	574		4±2	5±0.2	≤35	≤-20	≤-68	≤-100	≤-115
APL0584	579	589	5±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-122
APL0675	670	680	5±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-122
APL0696-R	696.5		0±2	5±0.25	≤38	≤-20	≤75	≤-105	≤-120
APL0700-R/T	700		4±2	5±0.2	≤35	≤-20	≤-68	≤-100	≤-115
APL0705-T	695	715	7±2	5±0.2	≤40	≤-20	≤-68	≤-100	≤-110
APL0705-R/T	705		4±2	5±0.2	≤35	≤-20	≤-68	≤-100	≤-115
APL0710-R/T	710		4±2	5±0.2	≤35	≤-20	≤-68	≤-100	≤-115
APL0726-R	726.5		0±2	5±0.25	≤38	≤-20	≤75	≤-105	≤-120
APL0741	736	746	5±1	5±0.25	≤30	≤-25	≤70	≤-106	≤-122
APL0760	760		5±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-122
APL0760-R	760		5±2	5±0.3	≤ 35	≤ -20	≤70	≤ -102	≤-115
APL0762.5	747.5	777.5	2±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -98	≤ -115
APL0766.5	761.7	771.3	5±2	5±0.3	≤30	≤-25	≤70	≤-103	≤-120
APL0800-R/T	800		8±4	5±0.3	≤30	≤-25	≤75	≤-105	≤-120
APL0807	789.5	824.5	3±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -105	≤ -120
APL0810	780	840	0±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -102	≤ -122
APL0811	806.5	815.5	6±1	5±0.25	≤30	≤-25	≤70	≤-110	≤-123
APL0814.5	789	840	4±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -100	≤ -115
APL0823.64	823.64		4±2	5±0.3	≤25	≤-25	≤70	≤-106	≤-120
APL0823.64-R	823.64		4±2	5±0.25	≤30	≤-25	≤70	≤-106	≤-120
APL0832	818	848	4±2	5±0.25	≤ 30	≤ -25	≤ -65	≤ -103	≤ -122

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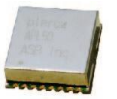
Part Number	Freq. Range(Max)		Output Level (dBm)	Supply Voltage (V)	Current (mA)	2nd Harmonics (dBm)	Spurious Level (dBc)	Phase Noise (dBc/Hz)	
	Min.	Max.						10KHz	100KHz
APL0832.5	817	848	4±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -100	≤ -115
APL0832.5-R/T	832.5		4±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -100	≤ -115
APL0833	820	845	5±1	5±0.5	≤ 25	≤ -35	≤ -80	≤ -107	≤ -120
APL0833-R/T	833		4	5±0.2	≤ 40	≤ -20	≤ -65	≤ -100	≤ -115

Product Selection Guide



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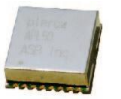
■ APL

Part Number	Freq. Range(Max) Min.	Max.	Output Level (dBm)	Supply Voltage (V)	Current (mA)	2nd Harmonics (dBm)	Spurious Level (dBc)	Phase Noise (dBc/Hz) 10KHz	100KHz
APL0840-R	840		4±2	5±0.2	≤ 35	≤ -20	≤-68	≤ -100	≤ -115
APL0840-R/T	840		4±2	5±0.2	≤ 40	≤ -20	≤-68	≤ -100	≤ -115
APL0855	825	885	5±2	5±0.25	≤ 30	≤ -20	≤ -65	≤ -106	≤ -122
APL0880	850	910	3±1	5±0.25	≤30	≤-25	≤70	≤-110	≤-123
APL0887-R/T	887		7±2	5±0.25	≤ 45	≤ -20	≤ -65	≤ -103	≤ -115
APL0895-T	876	914	5±1	5±0.25	≤ 30	≤ -25	≤ -70	≤ -105	≤ -120
APL0915	900	930	0±2	5±0.3	≤30	≤-45	≤70	≤-107	≤-120
APL0915-R	915		3±2	5±0.3	≤30	≤-25	≤75	≤-105	≤-120
APL0917	914.3	921.3	4±2	5±0.2	≤ 40	≤ -20	≤ -68	≤ -103	≤ -117
APL0925	885		5±2	5±0.25	≤ 30	≤ -25	≤ -65	≤ -103	≤ -121
APL0925-R/T	925		5±2	5±0.25	≤ 35	≤ -20	≤-70	≤ -100	≤ -115
APL0928	923.5	933.5	3±1	5±0.25	≤30	≤-25	≤70	≤-106	≤-122
APL0940	920	960	4±2	5±0.25	35	≤ -20	≤ -65	≤ -100	≤ -115
APL0948	933	963	5±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -100	≤ -115
APL0952	939	964	5±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -100	≤ -115
APL0953-T	938	968	5±1	5±0.3	≤25	≤-30	≤70	≤-105	≤-120
APL0953	938	968	5±2	5±0.25	≤ 30	≤ -30	≤ -65	≤ -104	≤ -122
APL0970-R/T	970		5±2	5±0.25	≤ 35	≤ -20	≤-71	≤ -100	≤ -116
APL0972	954	980	5±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-122
APL0976.5	971.7	981.3	5±2	5±0.3	≤30	≤-25	≤70	≤-105	≤-120
APL0990.1	980.1	1000.1	5±2	5±0.3	≤30	≤-25	≤70	≤-103	≤-120
APL1000	1000		3±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-123
APL1000-R	1000		4±2	5±0.2	≤ 40	≤ -20	≤ -67	≤ -99	≤ -115
APL1006	996.5	1016.5	4±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-122
APL1015-T	1015		4±1	5±0.25	≤40	≤ -25	≤-70		≤ -104
APL1017.5	1005	1030	4±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -100	≤ -115
APL1017.5-R/T	1005		4±2	5±0.25	≤ 40	≤ -20	≤ -68	≤ -100	≤ -115
APL1018	1005	1030	5±1	5±0.25	≤ 25	≤ -35	≤ -80	≤ -107	≤ -120
APL1020	1010	1030	4±1	5±0.25	≤30	≤-25	≤70	≤-101	≤-119
APL1027-R/T	1027		3±2	5±0.3	≤25	≤-25	≤75	≤-105	≤-120
APL1032	1014.5	1049.5	3±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -104	≤ -120
APL1051.54	1041.54	1061.54	3±2	5±0.3	≤30	≤-25	≤70	≤-102	≤-120
APL1056	1055	1057	4±1	5±0.25	≤30	≤-25	≤70	≤-103	≤-120
APL1057.5	1005	1110	3±2	5±0.25	35	≤ -20	≤ -62	-94	-113
APL1083	1053	1113	5±2	5±0.3	≤ 30	≤ -20	≤ -70	≤ -100	≤ -115
APL1087.5	1071	1103	3±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -98	≤ -115
APL1112	1090	1135	4±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-121
APL1190	1140	1240	4±1	5±0.25	≤30	≤-30	≤70	≤-100	≤-120
APL1257	1235	1280	4±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-122
APL1288-R	1288		4±2	5±0.2	≤ 35	≤ -20	≤-68	≤ -100	≤ -115
APL1288-R/T	1288		4±2	5±0.2	≤ 35	≤ -20	≤-68	≤ -100	≤ -115
APL1335	1310	1360	4±2	5±0.2	≤ 35	≤ -20	≤-68	≤ -98	≤ -115
APL1345	1335	1355	4±1	5±0.25	≤30	≤-25	≤70	≤-101	≤-122
APL1395	1385	1405	4±1	5±0.25	≤30	≤-25	≤70	≤-101	≤-119
APL1400	1350	1450	3±2	5±0.3	≤30	≤-25	≤75	≤-104	≤-120
APL1400-T	1350	1450	4±2	5±0.25	≤ 45	≤ -20	≤ -65	≤ -100	≤ -115
APL1445	1435	1455	4±1	5±0.25	≤30	≤-25	≤70	≤-103	≤-120
APL1495	1485	1505	3±1	5±0.25	≤30	≤-25	≤70	≤-102	≤-120
APL1515-R	1515.42		0±1	5±0.2	≤ 25	≤ -25	≤ -75	≤ -103	≤ -115
APL1545	1535	1555	2±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-119
APL1568-R	1568		5±2	5	≤ 40	≤ -20	≤ -65	≤ -97	≤ -115
APL1595	1585	1605	4±1	5±0.25	≤30	≤-25	≤70	≤-107	≤-122
APL1607	1570	1645	3±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -104	≤ -120
APL1607.5	1570	1645	4±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -98	≤ -115
APL1608	1570	1645	5±1	5±0.25	≤ 25	≤ -35	≤ -80	≤ -100	≤ -118
APL1635R/T	1635		4±2	5±0.2	≤ 40	≤ -20	≤-68	≤ -99	≤ -115
APL1666-R	1666		5±2	5	≤ 40	≤ -20	≤ -65	≤ -97	≤ -115
APL1670	1640	1700	5±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -103	≤ -120
APL1685	1685		0±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-120
APL1690	1680	1700	4±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-120
APL1690-R/T	1690		5±2	5±0.25	≤30	≤-25	≤65	≤-95	≤-115

Product Selection Guide



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Part Number	Freq. Range(Max)		Output Level (dBm)	Supply Voltage (V)	Current (mA)	2nd Harmonics (dBm)	Spurious Level (dBc)	Phase Noise (dBc/Hz)	
	Min.	Max.						10KHz	100KHz
APL1705	1685	1725	4±1	5±0.25	≤30	≤-25	≤-70	≤-103	≤-119
API1705-R/T	1705		4±2	5±0.3	≤30	≤-20	≤70	≤-105	≤-120
APL1750	1700	1800	2±2	5±0.25	≤30	≤-20	≤70	≤-103	≤-120
APL1775	1775		5±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-122
APL1776	1750	1800	3±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-121
APL1790-T	1760	1820	2	5	≤35	≤-20	≤70	≤-102	≤-120
APL1792-RT	1792		2±2	5±0.2	≤ 35	≤ -20	≤-67	≤ -98	≤ -115
APL1800	1750	1850	3±2	5±0.25	≤30	≤-25	≤70	≤-102	≤-118
APL1810	1780	1840	5±2	5±0.25	35	≤-20	≤ -65	-98	-115
APL1810-T	1780	1840	3±2	5±0.25	≤ 40	≤ -20	≤ -60	≤ -100	≤ -120
APL1825-R	1825		5±2	5±0.3	≤45	≤-30	≤75	≤-105	≤-120
APL1830	1830		0±1	5±0.25	≤30	≤-25	≤70	≤-103	≤-120
APL1835	1805	1865	3±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -101	≤ -120
APL1865	1865		3±2	5±0.3	≤25	≤-25	≤70	≤-103	≤-120
APL1875	1860	1890	5	5±0.3	≤ 30	≤ -45	≤ -70	≤ -105	≤ -120
APL1877	1870	1885	5.5±1.5	5±0.25	≤35	≤-20	≤-65	≤-105	≤-120
APL1885	1880	1890	0±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-120
APL1887	1850	1925	5±2	5±0.25	≤ 30	≤ -25	≤ -65	≤ -103	≤ -121
APL1890-R	1890.25		0±2	5±0.25	≤38	≤-20	≤75	≤-105	≤-120
APL1905	1875	1935	5±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -102	≤ -119
APL1910	1900	1920	2±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-122
APL1912	1874.5	1949.5	4±2	5±0.2	≤35	≤-18	≤-65	≤-97	≤-115
APL1912.5	1875	1950	3±2	5±0.3	≤25	≤-25	≤78	≤-103	≤-120
APL1912.5-R	1912.5		4±2	5	≤40	≤-20	≤65	≤-97	≤-115
APL1945.3	1945.3		3±2	5±0.3	≤25	≤-25	≤70	≤-103	≤-120
APL1945.3-R	1945.3		3±2	5±0.25	≤30	≤-25	≤70	≤-103	≤-120
APL1947.5	1937.5	1957.5	5	5±0.3	≤ 30	≤ -45	≤ -70	≤ -105	≤ -120
APL1950-T	1935	1965	3±2	5±0.25	≤40	≤-20	≤70	≤-100	≤-118
APL1950.38	1935.38	1965.38	3±2	5±0.25	≤40	≤-20	≤70	≤-100	≤-118
APL1982	1945	2020	3±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -101	≤ -119
APL1982.5	1945	2020	3±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -97	≤ -115
APL1983	1947	2019	2±2	5±0.25	≤30	≤-25	≤70	≤-103	≤-120
APL1990	1955	2025	2±1	5±0.25	≤30	≤-25	≤70	≤-105	≤-123
APL1955-R/T	1955		4±2	5±0.2	≤40	≤-20	≤68	≤-98	≤-115
APL2000-R/T	2000		5±1	5±0.3	≤35	≤-40	≤78	≤-104	≤-118
APL2020	1970	2070	5±2	5±0.25	≤ 30	≤ -20	≤ -70	≤ -103	≤ -120
APL2020-T	1970	2070	5±2	5±0.25	≤ 40	-20	≤ -65	≤ -95	≤-115
APL2030	2020	2040	2±1	5±0.25	≤30	≤-25	≤70	≤-103	≤-122
APL2037	2037.5		0±1	5±0.25	≤30	≤-25	≤70	≤-103	≤-122
APL2042	2042		4±2	5±0.2	≤40	≤-20	≤-65	≤-97	≤-115
APL2048	2040	2056	1±1	5±0.25	≤30	≤-25	≤70	≤-97	≤-118
APL2062.5-R/T	2062.5		10±2	5±0.25	≤50	≤-20	≤70	≤-100	≤-118
APL2065	2035	2095	4±2	5±0.25	≤ 30	≤ -15	≤ -65	≤ -104	≤ -120
APL2071	2071		0±1	5±0.25	≤30	≤-25	≤70	≤-104	≤-123
APL2090-R	2090		0±2	5±0.25	≤30	≤-30	≤70	≤-100	≤-120
APL2100	2050	2150	2±2	5±0.25	≤30	≤-20	≤70	≤-103	≤-120
APL2100-T	2040	2160	2±2	5±0.25	≤40	≤-20	≤ -70	≤-95	≤ -115
APL2117	2117.5		0±1	5±0.25	≤30	≤-25	≤70	≤-103	≤-122
APL2210	2160	2260	5±2	5±0.3	≤ 30	≤ -20	≤ -70	≤ -100	≤ -115
APL2255	2225	2285	3±2	5±0.25	≤ 35	≤ -20	≤ -65	≤ -100	≤ -118
APL2255-T	2225	2285	2±2	5±0.3	≤30	≤-25	≤72	≤-100	≤-120
APL2280	2250	2310	5±2	5±0.25	35	≤-20	≤ -65	-100	-115
APL2290-R/T	2290		4±2	5	≤40	≤-20	≤ -65	≤-96	≤-114
APL2305	2295	2315	2±1	5±0.25	≤30	≤-25	≤70	≤-95	≤-118
APL2330	2300	2360	1±1	5±0.25	≤30	≤-25	≤70	≤-97	≤-118
APL2361	2358.75	2364.75	2±1	5±0.25	≤30	≤-25	≤70	≤-102	≤-119
APL2386	2366	2406	2±1	5±0.25	≤30	≤-25	≤70	≤-102	≤-119
APL2430-RT	2430		7±2	5±0.25	≤ 50	≤ -20	≤ -70	≤ -100	≤ -120
APL2440	2440		4±2	5±0.25	≤ 34	≤ -20	≤ -65	≤ -95	≤ -65
APL2450-T	2400	2500	3	5±0.2	≤ 40	≤ -20	≤ -65	≤ -92	≤-113
APL2482-R/T	2482		1±1	3.3±0.2	≤30	≤-20	≤65	≤-101	≤-118

Product Selection Guide

PLL Synthesizer

Last Update : 2010. 12. 30

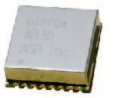
■ APL

Part Number	Freq. Range(Max)		Output Level (dBm)	Supply Voltage (V)	Current (mA)	2nd Harmonics (dBm)	Spurious Level (dBc)	Phase Noise (dBc/Hz)	
	Min.	Max.						10KHz	100KHz
APL2562	2537.5	2587.5	2±1	5±0.25	≤30	≤-25	≤70	≤-102	≤-120

Advanced Semiconductor Business Inc.

(A specific application circuit available upon customer's request.)

Product Selection Guide



PLL Synthesizer

Last Update : 2010. 12. 30

■ APL

Part Number	Freq. Range(Max)		Output Level (dBm)	Supply Voltage (V)	Current (mA)	2nd Harmonics (dBm)	Spurious Level (dBc)	Phase Noise (dBc/Hz)	
	Min.	Max.						10KHz	100KHz
APL2572	2547.5	2597.5	2±1	5±0.25	≤30	≤-25	≤70	≤-102	≤-120
APL2575	2575		7±1	5±0.3	≤35	≤-25	≤70	≤-102	≤-120
APL2610	2610		4±2	5±0.25	≤ 34	≤ -20	≤ -65	≤ -95	≤ -65
APL2620	2620		2±1	5±0.25	≤30	≤-25	≤70	≤-102	≤-120
APL5800	5700	5900	0±3	5±0.25	≤ 60	≤ -8	≤ -50	≤ -75	≤ -95

■ APLR

Part Number	Freq. Range(Max)		Output Level (dBm)	Supply Voltage (V)	Current (mA)	2nd Harmonics (dBm)	Spurious Level (dBc)	Phase Noise	
	Min.	Max.						10KHz	100KHz
APLR1984	1945	2023	3	5±0.25	≤ 50	≤ -20	≤ -65	≤ -95	≤ -115

■ APLT

Part Number	Freq. Range(Max)		Output Level (dBm)	Supply Voltage (V)	Current (mA)	2nd Harmonics (dBm)	Spurious Level (dBc)	Phase Noise	
	Min.	Max.						10KHz	100KHz
APT0730-T	720	740	4±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -102	≤ -120
APLT0730-T	720	740	4±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -102	≤ -120
APLT0827.5-R	830		-5±2	-5±0.2	≤ 35	≤ -20	≤ -65	≤ -100	≤ -115
APLT0830-T	830		4±1	5±0.25	≤ 40	≤ -25	≤ -70	≤ -108	-
APLT0830-R/T	830		4±1	5±0.25	≤ 40	≤ -25	≤ -70	≤ -104	-
APLT0845-T	840	850	4±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APLT0909-R/T	909		4±2	5±0.25	≤ 35	≤ -23	≤ -65	≤ -103	≤ -117
APLT0915-T	900	930	4±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APLT0916-T	916		0±3	5	≤ 40	≤ -20	≤ -67	≤ -97	≤ -115
APLT0923	913	933	4±2	5±0.25	≤ 40	≤ -20	-65	≤ -98	≤ -115
APLT0923-F	913	933	4±2	5±0.25	≤ 40	≤ -20	-65	≤ -95	≤ -114
APLT1000-T	995	1005	4±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APLT1012.5-R	1015		-5±2	-5±0.2	≤ 35	≤ -20	≤ -65	≤ -100	≤ -115
APLT1015-R/T	1015		4±1	5±0.25	≤ 40	≤ -25	≤ -70	≤ -108	-
APLT1100-T	1090	1110	4±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APLT1750-R/T	1750		3±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APLT1870.5-R/T	1870.5		3±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APLT1945-R/T	1945		3±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APLT1998	1998		4±2	5±0.25	≤ 40	≤ -25	≤ -70	≤ -96	≤ -115
APLT2039.9-R/T	2039.9		5±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -101	≤ -120
APLT2040-R/T	2040		3±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -101	≤ -120
APLT2067.5-R/T	2067.5		5±2	5±0.25	≤ 40	≤ -20	≤ -65	≤ -95	≤ -115
APLT2100-R/T	2100		3±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APLT2150-R/T	2150		3±2	5±0.3	≤ 30	≤ -25	≤ -65	≤ -100	≤ -120
APL5797.5-T	5797.5		1±2	5±0.25	≤ 45	≤ -10	≤ -50	≤ -80	≤ -95