

Transmitter															
IC	Freq. band [MHz]	neg. Resistance [Ω]	x-tal freq. fs [MHz]	Holder	AEL Part Number	Adjustment tolerance [ppm]	Freq. stability -40/+85°C [ppm]	Aging 10 years [ppm]	Tolerance +-15%		typ. ESR [Ω]	R1 max. (crystal) [Ω]	Suggested Std-neg. Resistance [Ω]	Minimum Negative Resistance [Ω]	CL [pF]
									C1 [fF]	C0 [pF]					
TDA5100	434,2	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5100	868,4	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5101	315	915 ^{±1}	9.84375	HC49S SMD	X9M843750S008	+/-10	+/-20	+/-15	9,8	2,9	30	60	360	300	12
			9.84375	HC49S	X9M843750L001	+/-10	+/-20	+/-15	10	3,3	30	60	360	300	12
			9.84375	5032-4	X9M843750S009	+/-10	+/-20	+/-10	3,7	1,5	40	80	360	300	12
TDA5102	915	500 ^{±1}	14.296875	HC49S SMD	X14M296875S001	+/-10	+/-20	+/-15	11	3	20	40	240	200	12
			14.296875	HC49S	X14M296875L001	+/-10	+/-20	+/-15	12	3,2	20	40	240	200	12
			14.296875	5032-4	X14M296875S002	+/-10	+/-20	+/-10	5	1,5	20	40	240	200	12
TDK5100(F)	434,2	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDK5100	868,4	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDK5110(F)	434,2	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDK5110	868,4	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDK5101(F)	315	725 ^{±1}	9.84375	HC49S SMD	X9M843750S008	+/-10	+/-20	+/-15	9,8	2,9	30	60	360	300	12
			9.84375	HC49S	X9M843750L001	+/-10	+/-20	+/-15	10	3,3	30	60	360	300	12
			9.84375	5032-4	X9M843750S009	+/-10	+/-20	+/-10	3,7	1,5	40	80	360	300	12
TDK5111(F)	315	725 ^{±1}	9.84375	HC49S SMD	X9M843750S008	+/-10	+/-20	+/-15	9,8	2,9	30	60	360	300	12
			9.84375	HC49S	X9M843750L001	+/-10	+/-20	+/-15	10	3,3	30	60	360	300	12
			9.84375	5032-4	X9M843750S009	+/-10	+/-20	+/-10	3,7	1,5	40	80	360	300	12
TDK5116F	868	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA7100 ³	434,2	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA7110(F)	434,2	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA7110	868,4	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDK7116F	868	500 ^{±1}	13.56875	HC49S SMD	X13M568750S001	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.56875	HC49S	X13M568750L002	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.56875	5032-4	X13M568750S007	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12

Receiver															
IC	Freq. band [MHz]	neg. Resistance [Ω]	x-tal freq. fs [MHz]	Holder	AEL Part Number	Adjustment tolerance [ppm]	Freq. stability -40/+85°C [ppm]	Aging 10 years [ppm]	Tolerance +-15%		typ. ESR [Ω]	Rs (crystal) [Ω]	Suggested Std-neg. Resistance [Ω]	Minimum Negative Resistance [Ω]	CL [pF]
									C1 [fF]	C0 [pF]					
TDA5200	434,2	450+/-20% ^{±2}	13.234375	HC49S SMD	X13M234375S003	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.234375	HC49S	X13M234375L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.234375	5032-4	X13M234375S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5200	868	450+/-20% ^{±2}	13.4015625	HC49S SMD	X13M401563S002	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.4015625	HC49S	X13M401563L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.4015625	5032-4	X13M401563S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5201	315	600+/-20% ^{±2}	10.178125	HC49S SMD	X10M178125S002	+/-10	+/-20	+/-15	10	3	30	60	240	200	12
			10.178125	HC49S	X10M178125L003	+/-10	+/-20	+/-15	10	3,2	30	60	240	200	12
			10.178125	5032-4	X10M178125S003	+/-10	+/-20	+/-10	3,4	1,5	40	80	240	200	12
TDA5210	434,2	600+/-20% ^{±2}	13.234375	HC49S SMD	X13M234375S003	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.234375	HC49S	X13M234375L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.234375	5032-4	X13M234375S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5210	868	600+/-20% ^{±2}	13.4015625	HC49S SMD	X13M401563S002	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13.4015625	HC49S	X13M401563L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13.4015625	5032-4	X13M401563S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5211	315	700+/-20% ^{±2}	10.178125	HC49S SMD	X10M178125S002	+/-10	+/-20	+/-15	10	3	30	60	240	200	12
			10.178125	HC49S	X10M178125L003	+/-10	+/-20	+/-15	10	3,2	30	60	240	200	12
			10.178125	5032-4	X10M178125S003	+/-10	+/-20	+/-10	3,4	1,5	40	80	240	200	12
TDA5212	915	550+/-20% ^{±2}	14.1296875	HC49S SMD	X14M129688S001	+/-10	+/-20	+/-15	11	3	20	40	240	200	12
			14.1296875	HC49S	X14M129688L001	+/-10	+/-20	+/-15	12	3,2	20	40	240	200	12
			14.1296875	5032-4	X14M129688S005	+/-10	+/-20	+/-10	5	1,5	20	40	240	200	12

Receiver, continued

IC	Freq. band [MHz]	neg. Resistance [Ω]	x-tal freq. fs' [MHz]	Holder	AEL Part Number	Adjustment tolerance [ppm]	Freq. stability -40/+85°C [ppm]	Aging 10 years [ppm]	Tolerance ±15%		typ. ESR [Ω]	Rs (crystal) [Ω]	Suggested Std-neg. Resistance [Ω]	Minimum Negative Resistance [Ω]	CL [pF]
									C1	C0					
									[fF]	[pF]					
TDA5220	434,2	600+/-20% *2	13,234375	HC49S SMD	X13M234375S003	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13,234375	HC49S	X13M234375L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13,234375	5032-4	X13M234375S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5220	868	600+/-20% *2	13,4015625	HC49S SMD	X13M401563S002	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13,4015625	HC49S	X13M401563L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13,4015625	5032-4	X13M401563S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5221	315	700+/-20% *2	10,178125	HC49S SMD	X10M178125S002	+/-10	+/-20	+/-15	10	3	30	60	240	200	12
			10,178125	HC49S	X10M178125L003	+/-10	+/-20	+/-15	10	3,2	30	60	240	200	12
			10,178125	5032-4	X10M178125S003	+/-10	+/-20	+/-10	3,4	1,5	40	80	240	200	12
TDA7200 *3	434,2	600+/-20% *2	13,234375	HC49S SMD	X13M234375S003	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13,234375	HC49S	X13M234375L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13,234375	5032-4	X13M234375S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA7210	434,2	600+/-20% *2	13,234375	HC49S SMD	X13M234375S003	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13,234375	HC49S	X13M234375L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13,234375	5032-4	X13M234375S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA7210	868,4	600+/-20% *2	13,4015625	HC49S SMD	X13M401563S002	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13,4015625	HC49S	X13M401563L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13,4015625	5032-4	X13M401563S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA7210V	434,2	600+/-20% *2	13,234375	HC49S SMD	X13M234375S003	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13,234375	HC49S	X13M234375L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13,234375	5032-4	X13M234375S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA7210V	868,4	600+/-20% *2	13,4015625	HC49S SMD	X13M401563S002	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13,4015625	HC49S	X13M401563L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13,4015625	5032-4	X13M401563S004	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12

Transceiver

IC	Freq. band [MHz]	neg. Resistance [Ω]	x-tal freq. fs' [MHz]	Holder	AEL Part Number	Adjustment tolerance [ppm]	Freq. stability -40/+85°C [ppm]	Aging 10 years [ppm]	Tolerance ±15%		typ. ESR [Ω]	Rs (crystal) [Ω]	Suggested Std-neg. Resistance [Ω]	Minimum Negative Resistance [Ω]	CL [pF]
									C1	C0					
									[fF]	[pF]					
TDA5250	868,3	550 *1	18,089583	HC49S SMD	X18M089583S001	+/-10	+/-20	+/-15	10	3	20	40	240	200	12
			18,089583	HC49S	X18M089583L001	+/-10	+/-20	+/-15	11	3,2	20	40	240	200	12
			18,089583	5032-4	X18M089583S002	+/-10	+/-20	+/-10	4	1,5	20	40	240	200	12
TDA5251	315	650 *1	13,125	HC49S SMD	X13M125000S004	+/-10	+/-20	+/-15	10,7	2,8	20	40	240	200	12
			13,125	HC49S	X13M125000L001	+/-10	+/-20	+/-15	11	3,1	20	40	240	200	12
			13,125	5032-4	X13M125000S005	+/-10	+/-20	+/-10	4,5	1,4	20	40	240	200	12
TDA5252	915	500 *1	19,0625	HC49S SMD		+/-10	+/-20	+/-15			20	40	240	200	12
			19,0625	HC49S		+/-10	+/-20	+/-15			20	40	240	200	12
			19,0625	5032-4		+/-10	+/-20	+/-10			20	40	240	200	12
TDA5255	434,15	550 *1	18,089583	HC49S SMD	X18M089583S001	+/-10	+/-20	+/-15	10	3	20	40	240	200	12
			18,089583	HC49S	X18M089583L001	+/-10	+/-20	+/-15	11	3,2	20	40	240	200	12
			18,089583	5032-4	X18M089583S002	+/-10	+/-20	+/-10	4	1,5	20	40	240	200	12
TDA7255V	434,15	550 *1	18,089583	HC49S SMD	X18M089583S001	+/-10	+/-20	+/-15	10	3	20	40	240	200	12
			18,089583	HC49S	X18M089583L001	+/-10	+/-20	+/-15	11	3,2	20	40	240	200	12
			18,089583	5032-4	X18M089583S002	+/-10	+/-20	+/-10	4	1,5	20	40	240	200	12

Important Notice

Please note, that

1.) the start-up time reached with the crystals given above might be different to the start-up time indicated in the data sheets.

*1: Measured

*2: Specified

*3: IC temperature range from -20°C to +70°C only