

Molex Quick Reference Guide

Cellular Antennas



CELLULAR FLEXIBLE ANTENNAS							
Series	212570	207235	146185	105263	209142	146234	207901
Key Features	Small size, side-fed cable	Small size	Balanced antenna with high performance		Small size, side-fed cable	Balanced antenna with high performance	
Size (mm)	40.40 by 15.40	40.40 by 15.40 by 0.10	84.00 by 15.00	106.6 by 13.00	85.00 by 14.50 by 0.10	140.00 by 20.00	147.00 by 25.00 by 0.16
Material	Flexible	Flexible	Flexible	Flexible	Flexible	Flexible	Flexible
Frequency Range	824 to 960 MHz / 1.7 to 2.17 GHz	824 to 960 MHz / 1.7 to 2.17 GHz	824 to 960 MHz / 1.71 to 2.7 GHz	824 to 960 MHz / 1.71 to 2.7 GHz	698 to 960 MHz / 1.5 to 3 GHz / 3 to 6 GHz	698 to 960 MHz / 1.5 to 2.7 GHz / 2.7 to 6 GHz	600 to 960 MHz / 1.5 to 3 GHz / 3 to 6 GHz
Return Loss (dB)	<-4 / <-3	<-4 / <-6	<-4	<-6	<-10 / <-5 / <-5	<-4 / <-5 / <-5	<-3 / <-5 / <-5
Peak Gain (dBi)	-0.45 / 1.76	0 / 4.3	1.4 / 3.0	2.3 / 3.1	1.2 / 5.2 / 2.7	1.7 / 2.65 / 4.8	2.6 / 4.9 / 5.4
Total Radiation Efficiency	>25% / >50%	30% / 60%	>60% / >65%	>66% / >60%	>45% / >55% / >55%	>69% / >68% / >67%	>70% / >65% / >70%
Product Image							

Note: Performance values above are based on 100mm cable

Molex provides best-in-class compact, high-gain 3G and 4G/LTE Cellular Antennas for connected smart devices and today's high-performance LTE networks

Molex provides extensive experience in antenna technologies from concept-to-completion. Ready-To-Use RF Antennas are compact, high performing and available in multiple form factors for all common antenna protocols and frequencies used in IoT, automotive, industrial and medical applications. To find more email: customerservice@molex.com

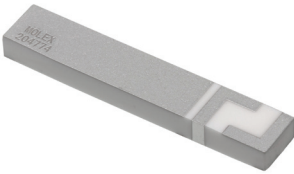



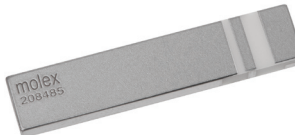
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Cellular Antennas



CELLULAR CERAMIC ANTENNAS					
Series	204774	206649	206760	146200	208485
Key Features	Small size, low profile	Tiny size, specifically designed for NB-IoT	Low profile, high performance	MIMO pair -0001 and -0011	Low profile, ultra wide band
Size (mm)	33.00 by 6.00 by 3.00	20.00 by 10.00 by 1.20	38.00 by 8.00 by 3.00	40.00 by 5.00 by 5.00	38.00 by 8.00 by 3.00
Frequency Range	790 to 960 MHz / 1.71 to 2.17 GHz	698 to 869 / 791 to 862 / 824 to 960 / 698 to 960 MHz	698 to 960 MHz / 1.7 to 2.7 GHz	698 to 960 MHz / 1.71 to 2.7 GHz	617 to 894 / 1.71 to 2.69 GHz / 3.3 to 3.8 GHz
Return Loss (dB)	<-6	<-4 / <-6 / <-7 / <-5	<-5	<-5	<-6 / <-4 / <-4
Peak Gain (dBi)	0.6 / 4.8	0.5 / 0.8 / 1.1 / 0.9	1.3 / 4.4	1.1 / 4.5	1.6 / 4.7 / 3.6
Total Radiation Efficiency	>50% / >70%	>50% / >50% / >55% / >55%	>60% / >70%	>60% / >70%	>70% / >65% / >65%
Product Image					

Note: Performance values above are based on 100mm cable

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