

| Model   | Freq range | Gain                                                                                                                                                                                                   | NF                                                                                                                                                                     | OP1dB                                                                                                                                                                   | IDQ                                                                                              | Note                                                                                                                                                                                    |
|---------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ZK06-UM | 10M-6GHz   | 5dB@100kHz<br>23.5dB@5MHz<br>27dB@10MHz<br>25.5dB@100MHz<br>22.5dB@1GHz<br>22.5dB@2GHz<br>21dB@3GHz<br>22dB@4GHz<br>23dB@5GHz<br>22.5dB@6GHz                                                           | 2.3dB@10MHz<br>0.8dB@100MHz<br>0.6dB@1GHz<br>0.7dB@2GHz<br>0.7dB@3GHz<br>0.7dB@4GHz<br>0.8dB@5GHz<br>1.0dB@6GHz                                                        | 16dBm@10MHz<br>18dBm@100MHz<br>18dBm@1GHz<br>18dBm@2GHz<br>18dBm@3GHz<br>18dBm@4GHz<br>17dBm@5GHz<br>16dBm@6GHz                                                         | 80mA<br>Off-chip<br>bias, user<br>can adjust<br>the bias<br>resistor to<br>reduce the<br>current | Broadband, low noise<br>Good flatness in the<br>1-6 GHz range<br>Recommended for use as<br>tinySA ULTRA 5.8GHz<br>preamplifier<br>Can be used to replace<br>QPL9503, QPL9504<br>modules |
| ZK09-UM | 100k-10GHz | 21dB@100kHz<br>21.5dB@5MHz<br>21.5dB@10MHz<br>21.5dB@100MHz<br>21.5dB@1GHz<br>21dB@2GHz<br>21dB@3GHz<br>20dB@4GHz<br>18.5dB@5GHz<br>17.5dB@6GHz<br>16.5dB@7GHz<br>15dB@8GHz<br>14dB@9GHz<br>13dB@10GHz | 6.7dB@10MHz<br>2.2dB@100MHz<br>2dB@1GHz<br>2.1dB@2GHz<br>2.3dB@3GHz<br>2.4dB@4GHz<br>2.5dB@5GHz<br>2.7dB@6GHz<br>2.8dB@7GHz<br>3.1dB@8GHz<br>3.5dB@9GHz<br>3.9dB@10GHz | 11dBm@10MHz<br>13dBm@100MHz<br>13dBm@1GHz<br>13dBm@2GHz<br>13dBm@3GHz<br>13dBm@4GHz<br>13dBm@5GHz<br>13dBm@6GHz<br>12dBm@7GHz<br>11dBm@8GHz<br>10dBm@9GHz<br>9dBm@10GHz | 52mA<br>On-chip<br>bias                                                                          | Ultra-broadband<br>Low noise<br>Good flatness<br>Can be used to replace<br>ADM-8095<br>ADM-8625<br>modules                                                                              |

