

# UMX-1478-D16-G

#### **UMX-1478-D16-G Information**

| Heisener.com       | Part Number<br>Manufacturer<br>Category<br>Description<br>Package | UMX-1478-D16-G<br>RFMD<br>Crystals, Oscillators, Resonators<br>VCOs (Voltage Controlled Oscillators)<br>VCO 4510MHZ 0.5-4.5V 12.7X12.7MM<br>16-QFN, Variant<br>For the pricing/inventory/lead time, please contact |                 |
|--------------------|---|--|-----------------|
| For Reference Only |   | us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com  | Request a Quote |

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



# UMX-1478-D16-G Specifications

| ManufacturerRFMDCategoryCrystals, Oscillators, ResonatorsVCOs (Voltage Controlled Oscillators)Package16-QFN, VariantSeriesUMXFrequency Range4460MHz ~ 4560MHzFrequency - Center4510MHzVoltage - Supply4.75VTuning Voltage (VDC)0.5V ~ 4.5V2nd Harmonic, Typ (dBc)24mA (Typ)Pushing (MHz/V)31Power (dBm)-107Phase Noise Typ (dBc/Hz)107Operating Temperature6-QFN, VariantPackage / Case16-QFN, VariantSize / Dimension5.00" L x 0.500" W (12.70mm x 12.70mm) |                          |   |
|--|--------------------------|---|
| CategoryCrystals, Oscillators, ResonatorsVCOs (Voltage Controlled Oscillators)Package16-QFN, VariantSeriesUMXFrequency Range4460MHz ~ 4560MHzFrequency Center4510MHzVoltage - Supply4.75VVoltage (VDC)0.5V ~ 4.5V2nd Harmonic, Typ (dBc)-20Pushing (MHz/V)31Power (dBm)-Power (dBm)-107Operating Temperature6-QFN, VariantSize / Dimension16-QFN, VariantSize / Dimension5.00" L x 0.500" W (12.70mm x 12.70mm)  | Manufacturer Part Number | UMX-1478-D16-G                          |
| VCOs (Voltage Controlled Oscillators)     Package   16-QFN, Variant     Series   UMX     Frequency Range   4460MHz ~ 4560MHz     Frequency Center   4510MHz     Voltage - Supply   4.75V     Tuning Voltage (VDC)   0.5V ~ 4.5V     2nd Harmonic, Typ (dBc)   -20     Vertor (dBm)   31     Power (dBm)   -107     Operating Temperature   -107     Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)          | Manufacturer             | RFMD                                    |
| Package   16-QFN, Variant     Series   UMX     Frequency Range   4460MHz ~ 4560MHz     Frequency - Center   4510MHz     Voltage - Supply   4.75V     Voltage (VDC)   0.5V ~ 4.5V     2nd Harmonic, Typ (dBc)   -20     Icc Max   24mA (Typ)     Pushing (MHz/V)   31     Power (dBm)   -107     Operating Temperature   -     Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)                                | Category                 | Crystals, Oscillators, Resonators       |
| Series   UMX     Frequency Range   4460MHz ~ 4560MHz     Frequency - Center   4510MHz     Voltage - Supply   4.75V     Voltage (VDC)   0.5V ~ 4.5V     2nd Harmonic, Typ (dBc)   -20     Lec Max   24mA (Typ)     Pushing (MHz/V)   31     Power (dBm)   -     Phase Noise Typ (dBc/Hz)   -107     Operating Temperature   -     Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)                             |                          | VCOs (Voltage Controlled Oscillators)   |
| Frequency Range   4460MHz ~ 4560MHz     Frequency - Center   4510MHz     Voltage - Supply   4.75V     Tuning Voltage (VDC)   0.5V ~ 4.5V     2nd Harmonic, Typ (dBc)   -20     Icc Max   24mA (Typ)     Pushing (MHz/V)   31     Power (dBm)   -0     Phase Noise Typ (dBc/Hz)   -107     Operating Temperature   -     Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)                                      | Package                  | 16-QFN, Variant                         |
| Frequency - Center   4510MHz     Voltage - Supply   4.75V     Tuning Voltage (VDC)   0.5V ~ 4.5V     2nd Harmonic, Typ (dBc)   -20     Icc Max   24mA (Typ)     Pushing (MHz/V)   31     Power (dBm)   -     Phase Noise Typ (dBc/Hz)   -107     Operating Temperature   -     Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)   | Series                   | UMX                                     |
| Voltage - Supply   4.75V     Tuning Voltage (VDC)   0.5V ~ 4.5V     2nd Harmonic, Typ (dBc)   -20     Lec Max   24mA (Typ)     Pushing (MHz/V)   31     Power (dBm)   -     Phase Noise Typ (dBc/Hz)   -107     Operating Temperature   -     Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)  | Frequency Range          | 4460MHz ~ 4560MHz                       |
| Tuning Voltage (VDC) 0.5V ~ 4.5V   2nd Harmonic, Typ (dBc) -20   Icc Max 24mA (Typ)   Pushing (MHz/V) 31   Power (dBm) -   Phase Noise Typ (dBc/Hz) -107   Operating Temperature -   Package / Case 16-QFN, Variant   Size / Dimension 0.500" L x 0.500" W (12.70mm x 12.70mm)   | Frequency - Center       | 4510MHz                                 |
| 2nd Harmonic, Typ (dBc)-20Icc Max24mA (Typ)Pushing (MHz/V)31Power (dBm)-Phase Noise Typ (dBc/Hz)-107Operating Temperature-Package / Case16-QFN, VariantSize / Dimension0.500" L x 0.500" W (12.70mm x 12.70mm)   | Voltage - Supply         | 4.75V                                   |
| Icc Max   24mA (Typ)     Pushing (MHz/V)   31     Power (dBm)   -     Phase Noise Typ (dBc/Hz)   -107     Operating Temperature   -     Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)  | Tuning Voltage (VDC)     | 0.5V ~ 4.5V                             |
| Pushing (MHz/V)   31     Power (dBm)   -     Phase Noise Typ (dBc/Hz)   -107     Operating Temperature   -     Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)   | 2nd Harmonic, Typ (dBc)  | -20                                     |
| Power (dBm)-Phase Noise Typ (dBc/Hz)-107Operating Temperature-Package / Case16-QFN, VariantSize / Dimension0.500" L x 0.500" W (12.70mm x 12.70mm)   | Icc Max                  | 24mA (Typ)                              |
| Phase Noise Typ (dBc/Hz)-107Operating Temperature-Package / Case16-QFN, VariantSize / Dimension0.500" L x 0.500" W (12.70mm x 12.70mm)   | Pushing (MHz/V)          | 31                                      |
| Operating Temperature-Package / Case16-QFN, VariantSize / Dimension0.500" L x 0.500" W (12.70mm x 12.70mm)   | Power (dBm)              | -                                       |
| Package / Case   16-QFN, Variant     Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)  | Phase Noise Typ (dBc/Hz) | -107                                    |
| Size / Dimension   0.500" L x 0.500" W (12.70mm x 12.70mm)   | Operating Temperature    | -                                       |
|  | Package / Case           | 16-QFN, Variant                         |
| Height 0.220" (5.60mm)   | Size / Dimension         | 0.500" L x 0.500" W (12.70mm x 12.70mm) |
|  | Height                   | 0.220" (5.60mm)                         |
| Report errors?   |                          | Report errors?                          |

#### UMX-1478-D16-G Guarantees



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### UMX-1478-D16-G Payment Methods



### UMX-1478-D16-G Shipping Methods



If you have any question about UMX-1478-D16-G, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com