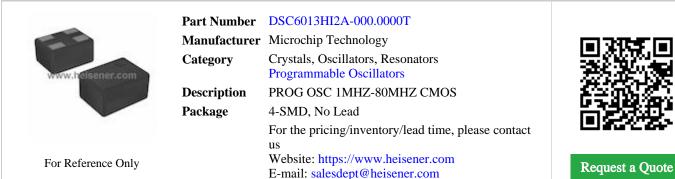


# DSC6013HI2A-000.0000T

#### DSC6013HI2A-000.0000T Information



#### **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.



## DSC6013HI2A-000.0000T Specifications

| ManufacturerMicrochip TechnologyCategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsProgrammable OscillatorsPackage4-SMD, No LeadSeriesDSC60XXTypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency RangeIMHz ~ 80MHzFunctionStandbyOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability (Total)-Frequency Stability (Total)-Spread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount  |                             |   |
|---|-----------------------------|---|
| CategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsPackage4-SMD, No LeadSeriesDSC60XXTypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency RangeIMHz ~ 80MHzFunctionStandbyOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability (Total)±25ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount  | Manufacturer Part Number    | DSC6013HI2A-000.0000T                             |
| Programmable OscillatorsPackage4-SMD, No LeadSeriesDSC60XXTypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency RangeIMHz ~ 80MHzFunctionStandbyOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability (Total)+25ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount   | Manufacturer                | Microchip Technology                              |
| Package4-SMD, No LeadSeriesDSC60XXTypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency RangeIMHz ~ 80MHzFunctionStandbyOutputCMOSVoltage - Supply.171 V ~ 3.63 VFrequency Stability (Total)±25pmOperating Temperature-0°C ~ 85°CSpread Spectrum Bandwidth.Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount   | Category                    | Crystals, Oscillators, Resonators                 |
| SeriesDSC60XXTypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency RangeIMHz ~ 80MHzFunctionStandbyOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability (Total)±25ppmOperating Temperature-Spread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount   |                             | Programmable Oscillators                          |
| TypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency RangeIMHz ~ 80MHzFunctionStandbyOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability (Total)-Prequency Stability (Total)-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount  | Package                     | 4-SMD, No Lead                                    |
| Programmable TypeBlank (User Must Program)Programmable TypeBlank (User Must Program)Available Frequency Range1MHz ~ 80MHzFunctionStandbyOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability-Frequency Stability (Total)±25pmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount  | Series                      | DSC60XX   |
| Available Frequency RangeIMHz ~ 80MHzFunctionStandbyOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability (Total)-Frequency Stability (Total)±25ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount   | Туре                        | MEMS (Silicon)                                    |
| FunctionStandbyOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability-Frequency Stability (Total)±25pmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount   | Programmable Type           | Blank (User Must Program)                         |
| OutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability-Frequency Stability (Total)±25pmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount  | Available Frequency Range   | 1MHz ~ 80MHz                                      |
| Image: Notation of the state of th | Function                    | Standby   |
| Frequency Stability-Frequency Stability (Total)±25pmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount   | Output                      | CMOS  |
| Frequency Stability (Total)±25ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount  | Voltage - Supply            | 1.71 V ~ 3.63 V                                   |
| Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount   | Frequency Stability         | -   |
| Spread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount  | Frequency Stability (Total) | ±25ppm  |
| Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface Mount  | Operating Temperature       | $-40^{\circ}\mathrm{C} \sim 85^{\circ}\mathrm{C}$ |
| Ratings AEC-Q100   Mounting Type Surface Mount  | Spread Spectrum Bandwidth   | -   |
| Mounting Type Surface Mount   | Current - Supply (Max)      | 1.3mA   |
|   | Ratings                     | AEC-Q100  |
|   | Mounting Type               | Surface Mount                                     |
| Package / Case 4-SMD, No Lead   | Package / Case              | 4-SMD, No Lead                                    |
| Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm)  | Size / Dimension            | 0.063" L x 0.047" W (1.60mm x 1.20mm)             |
| Height 0.035" (0.89mm)  | Height                      | 0.035" (0.89mm)                                   |
| Report errors?  |                             | Report errors?                                    |

#### DSC6013HI2A-000.0000T 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 Guarantees

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

#### DSC6013HI2A-000.0000T Payment Methods



### DSC6013HI2A-000.0000T Shipping Methods



If you have any question about DSC6013HI2A-000.0000T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com