



DSC8101AL2 Information



For Reference Only

Part Number DSC8101AL2

Manufacturer Microchip Technology

Category Crystals, Oscillators, Resonators

Programmable Oscillators

DescriptionOSC PGM 10MHZ - 170MHZ SMD**Package**6-SMD, No Lead, Exposed Pad

For the pricing/inventory/lead time, please contact

us

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DSC8101AL2 Specifications

Manufacturer Part Number DSC8101AL2 Manufacturer Microchip Technology Category Crystals, Oscillators, Resonators Package 6-SMD, No Lead, Exposed Pad Series DSC8101 Type MEMS (Silicon) Programmable Type Blank (User Must Program) Available Frequency Range 10MHz ~ 170MHz Function Standby Output CMOS Voltage - Supply 2.25 V ~ 3.6 V Frequency Stability ±25ppm Frequency Stability (Total) - Operating Temperature 440°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) 35mA Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)		
Category Crystals, Oscillators, Resonators Package 6-SMD, No Lead, Exposed Pad Series DSC8101 Type MEMS (Silicon) Programmable Type Blank (User Must Program) Available Frequency Range 10MHz ~ 170MHz Function Standby Output CMOS Voltage - Supply ±25 pm Frequency Stability (Total) - Operating Temperature -40°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) 35mA Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Manufacturer Part Number	DSC8101AL2
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Series DSC8101 Type MEMS (Silicon) Programmable Type Blank (User Must Program) Available Frequency Range 10MHz ~ 170MHz Function Standby Output CMOS Voltage - Supply 2.25 V ~ 3.6 V Frequency Stability ±25ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) 35mA Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)		Programmable Oscillators
TypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency Range10MHz ~ 170MHzFunctionStandbyOutputCMOSVoltage - Supply2.25 V ~ 3.6 VFrequency Stability±25ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-Current - Supply (Max)35mARatingsAEC-Q100Mounting TypeSurface MountPackage / Case6-SMD, No Lead, Exposed PadSize / Dimension0.276" L x 0.197" W (7.00mm x 5.00mm)Height0.035" (0.90mm)	Package	6-SMD, No Lead, Exposed Pad
Programmable TypeBlank (User Must Program)Available Frequency Range $10 \text{MHz} \sim 170 \text{MHz}$ FunctionStandbyOutputCMOSVoltage - Supply $2.25 \text{ V} \sim 3.6 \text{ V}$ Frequency Stability $\pm 25 \text{ppm}$ Frequency Stability (Total)-Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Spread Spectrum Bandwidth-Current - Supply (Max) 35mA RatingsAEC-Q100Mounting TypeSurface MountPackage / Case $6-\text{SMD}$, No Lead, Exposed PadSize / Dimension $0.276^{\circ}\text{ L} \times 0.197^{\circ}\text{ W} (7.00 \text{mm} \times 5.00 \text{mm})$ Height 0.035° (0.90 mm)	Series	DSC8101
Available Frequency Range Function Standby Output CMOS Voltage - Supply 2.25 V ~ 3.6 V Frequency Stability Frequency Stability (Total) Operating Temperature -40°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.0276" L x 0.197" W (7.00mm x 5.00mm) Height	Туре	MEMS (Silicon)
Function Standby Output CMOS Voltage - Supply 2.25 V ~ 3.6 V Frequency Stability ±25ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) 35mA Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.0055" (0.90mm)	Programmable Type	Blank (User Must Program)
Output CMOS Voltage - Supply 2.25 V ~ 3.6 V Frequency Stability ±25ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) 35mA Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.035" (0.90mm) Height 0.005 No Lead, Exposed Pad	Available Frequency Range	10MHz ~ 170MHz
Voltage - Supply $2.25 \text{ V} \sim 3.6 \text{ V}$ Frequency Stability $\pm 25 \text{ppm}$ Frequency Stability (Total) - Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Spread Spectrum Bandwidth - Current - Supply (Max) 35mA Ratings $AEC-Q100$ Mounting Type $Surface Mount$ Package / Case $6-SMD$, No Lead, Exposed Pad Size / Dimension $0.276^{\circ}\text{ L} \times 0.197^{\circ}\text{ W} (7.00 \text{mm} \times 5.00 \text{mm})$ Height $0.035^{\circ}\text{ (0.90 \text{mm})}$	Function	Standby
Frequency Stability (Total) - 40°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 5ize / Dimension Course ±25ppm - 40°C ~ 105°C - 40°C ~ 1	Output	CMOS
Frequency Stability (Total) Operating Temperature -40°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height - 0.035" (0.90mm)	Voltage - Supply	2.25 V ~ 3.6 V
Operating Temperature -40°C ~ 105°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Frequency Stability	±25ppm
Spread Spectrum Bandwidth Current - Supply (Max) Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Frequency Stability (Total)	-
Current - Supply (Max) Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Operating Temperature	-40°C ~ 105°C
Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Current - Supply (Max)	35mA
Package / Case 6-SMD, No Lead, Exposed Pad Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Ratings	AEC-Q100
Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Mounting Type	Surface Mount
Height 0.035" (0.90mm)	Package / Case	6-SMD, No Lead, Exposed Pad
	Size / Dimension	0.276" L x 0.197" W (7.00mm x 5.00mm)
Report errors?	Height	0.035" (0.90mm)
· ·		Report errors?

DSC8101AL2 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.

DSC8101AL2 Payment Methods

































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