



GL045F33IET Information

Heisener.com

Part Number GL045F33IET

Manufacturer CTS-Frequency Controls

Category Crystals, Oscillators, Resonators

Crystals

Description CRYSTAL 4.500000 MHZ SMD

Package HC49/US

For the pricing/inventory/lead time, please contact

us

For Reference Only Website: https://www.heisener.com

E-mail: salesdept@heisener.com



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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.









GL045F33IET Specifications

Manufacturer Part NumberGL045F33IETManufacturerCTS-Frequency ControlsCategoryCrystals, Oscillators, ResonatorsPackageHC49/USSeriesATSSMGLTypeMHz CrystalFrequency4.5MHzFrequency Stability±30ppmFrequency Tolerance±30ppmLoad Capacitance20pFESR (Equivalent Series Resistance)120 OhmOperating ModeFundamentalOperating Temperature-40°C ~ 85°CRatings-Mounting TypeSurface MountPackage / CaseHC49/USSize / Dimension0.461" L x 0.197" W (11.70mm x 5.00mm)Height - Seated (Max)0.169" (4.30mm)	•	
Category Crystals, Oscillators, Resonators Package HC49/US Series ATSSMGL Type MHz Crystal Frequency 4.5MHz Frequency Stability ±30ppm Frequency Tolerance ±30ppm Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Manufacturer Part Number	GL045F33IET
Package HC49/US Series ATSSMGL Type MHz Crystal Frequency 4.5MHz Frequency Stability ±30ppm Frequency Tolerance ±30ppm Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Manufacturer	CTS-Frequency Controls
Package HC49/US Series ATSSMGL Type MHz Crystal Frequency 4.5MHz Frequency Stability ±30ppm Frequency Tolerance ±30ppm Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Category	Crystals, Oscillators, Resonators
Series ATSSMGL Type MHz Crystal Frequency 4.5MHz Frequency Stability ±30ppm Frequency Tolerance ±30ppm Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)		Crystals
Type MHz Crystal Frequency 4.5MHz Frequency Stability ±30ppm Frequency Tolerance ±30ppm Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Package	HC49/US
Frequency Stability ±30ppm Frequency Tolerance ±30ppm Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Series	ATSSMGL
Frequency Stability ±30ppm Frequency Tolerance ±30ppm Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Туре	MHz Crystal
Frequency Tolerance ±30ppm Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Frequency	4.5MHz
Load Capacitance 20pF ESR (Equivalent Series Resistance) 120 Ohm Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Frequency Stability	±30ppm
ESR (Equivalent Series Resistance) Operating Mode Fundamental Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Frequency Tolerance	±30ppm
Operating Mode Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Load Capacitance	20pF
Operating Temperature -40°C ~ 85°C Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	ESR (Equivalent Series Resistance)	120 Ohm
Ratings - Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Operating Mode	Fundamental
Mounting Type Surface Mount Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Operating Temperature	-40°C ~ 85°C
Package / Case HC49/US Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Ratings	-
Size / Dimension 0.461" L x 0.197" W (11.70mm x 5.00mm) Height - Seated (Max) 0.169" (4.30mm)	Mounting Type	Surface Mount
Height - Seated (Max) 0.169" (4.30mm)	Package / Case	HC49/US
	Size / Dimension	0.461" L x 0.197" W (11.70mm x 5.00mm)
Report errors?	Height - Seated (Max)	0.169" (4.30mm)
		Report errors?

GL045F33IET 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.

GL045F33IET Payment Methods



















GL045F33IET Shipping Methods













If you have any question about GL045F33IET, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com