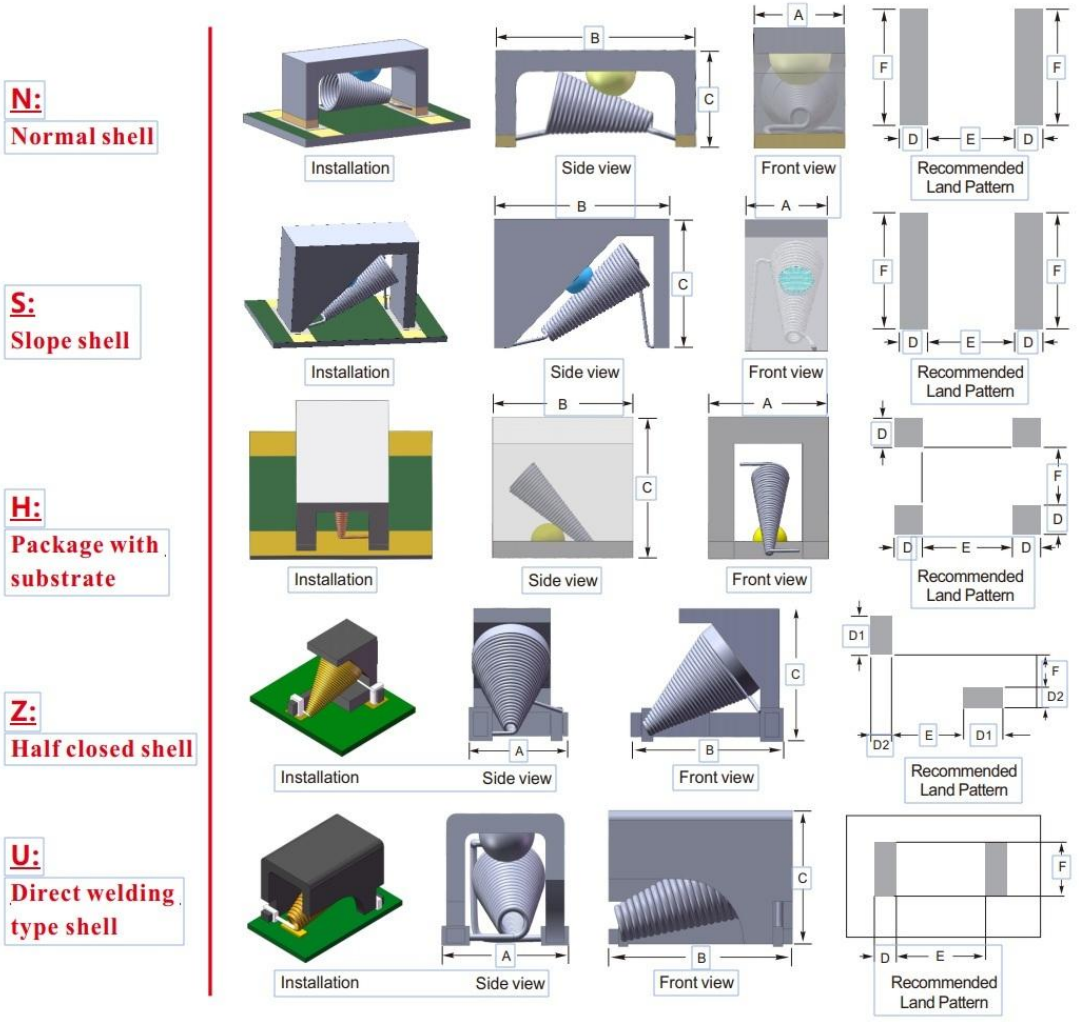
SMT Broadband Conical Inductors

FEATURES

- Broadband performance over 53+ GHz
- Strong current processing capacity
- Low insertion loss across frequency bands
- Suitable for small volumes and surface mount applications

INSTALLATION DIAGRAM FOR THE HOUSING TYPE



ORDER INFORMATION

VM0301M0016N840-LPW

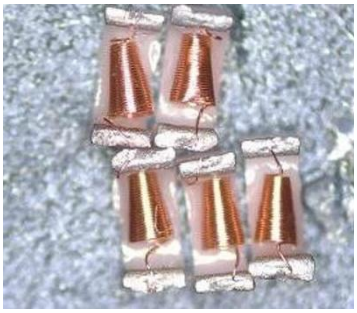
L: Shell type (N:Normal shell S:Slope shell H:Package with substrate Z:Half closed shell U:Direct welding type shell)

P: Inductor package size: A*B*C corresponds to width * length * height;

W: Inductor soldering parameters: D*E*F corresponds to pad size * pad long pitch * pad wide pitch

The to lerance ±0.05 is not marked. The contents of the specification are subject to update without notice. Please contact the consultant or confirm the technical parameters on the official website be for eordering. PS:Special models can be customizedas required.

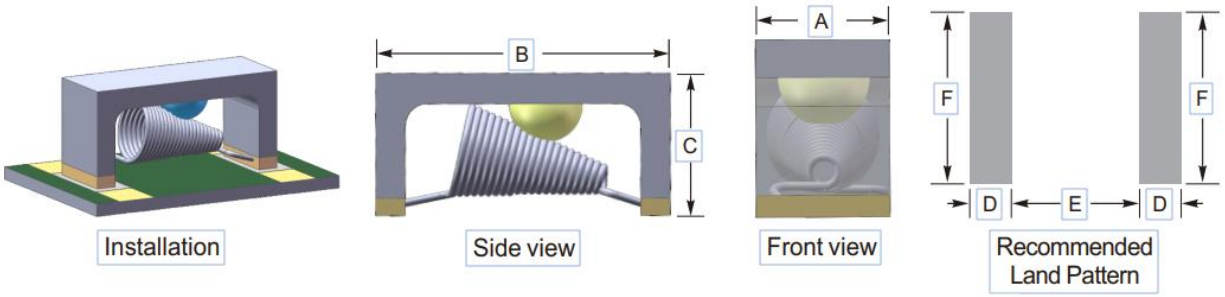
Conventional cover housing encapsulated broadband conical inductor (N series)



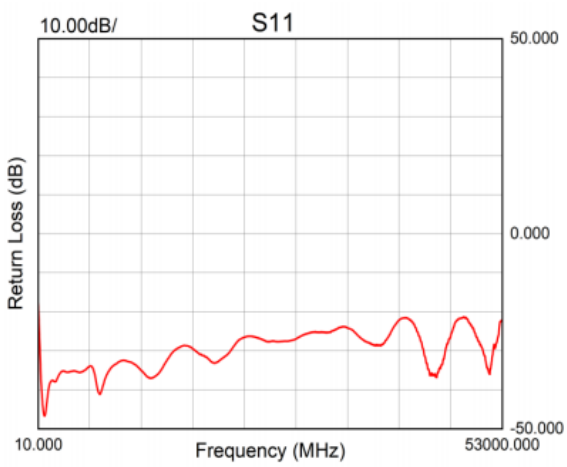
FEATURES

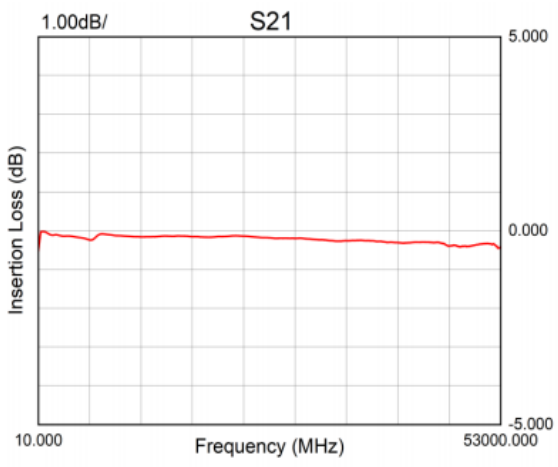
- Excellent electrical insulation
- Simplified structure and miniaturized size
- Ultra-wideband applications, with outstanding high-frequency performance
- High mechanical strength and high bonding capacity of solder joints
- The flat structure reduces parasitic capacitance and results in low signal loss
- Thermal management and reliability improvement enhance temperature stability Miniaturized and standardized packaging, compatible with SMT automation, reduces assembly costs

INSTALLATION DIAGRAM FOR THE HOUSING TYPE

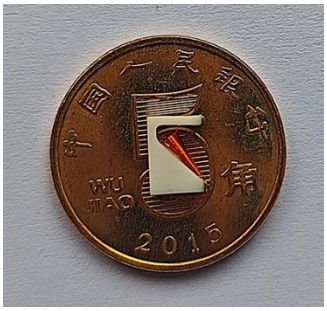


FREQUENCY RESPONSE





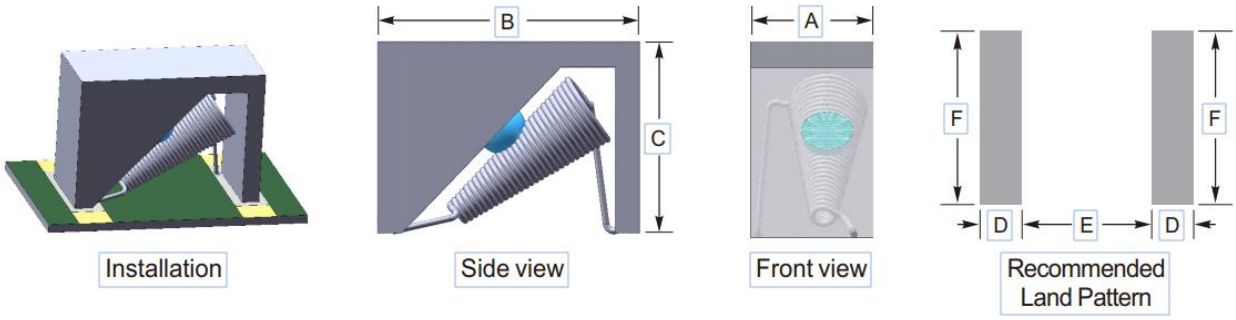
Wideband Conical Inductors with Slope Cover Shell (S series)



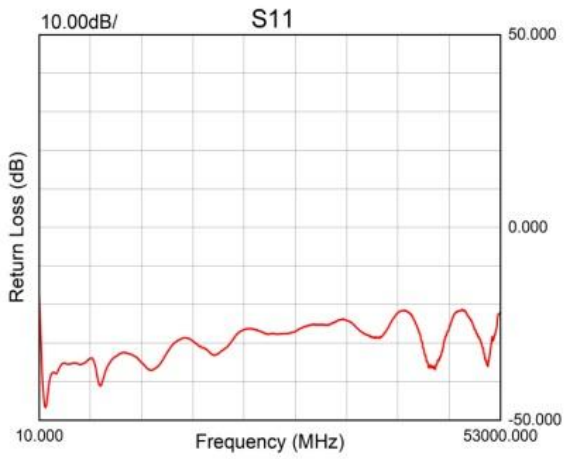
FEATURES

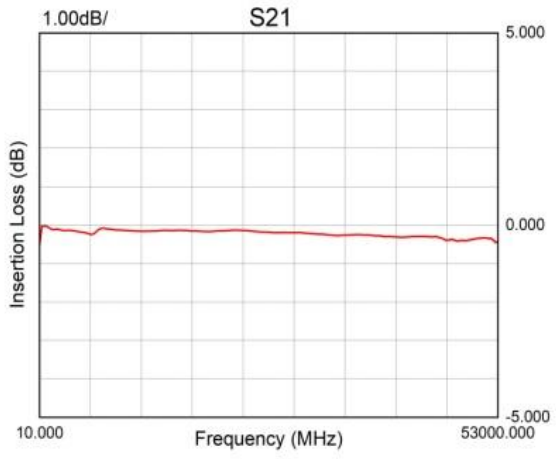
- Excellent high-frequency impedance characteristics
- Simplified structure and miniaturized size
- Ultra-wideband applications, with outstanding high-frequency performance
- Ceramic packaging provides excellent dielectric shielding
- Make sure the installation Angle is close to the board surface
- Thermal management and reliability improvement enhance temperature stability
- Miniaturized and standardized packaging, compatible with SM'T automation, reduces assembly costs

INSTALLATION DIAGRAM FOR THE HOUSING TYPE

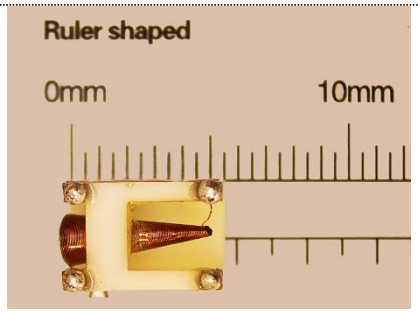


FREQUENCY RESPONSE





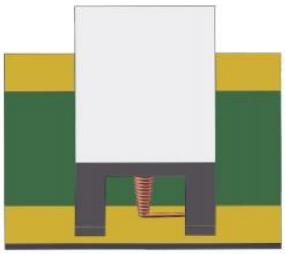
Broadband Conical Inductors with Substrate Packaging (H series)

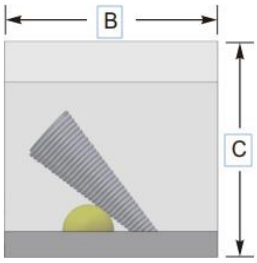


FEATURES

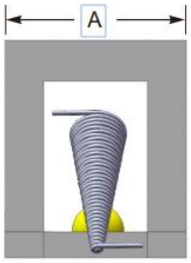
- The support body maintains a stable Angle
- Simplified structure and miniaturized size
- Ultra-wideband applications, with outstanding high-frequency performance
- Ceramic packaging provides excellent dielectric shielding
- High heat conduction efficiency
- Thermal management and reliability improvement enhance temperature stability
- Miniaturized and standardized packaging, compatible with SMT automation, reduces assembly costs

INSTALLATION DIAGRAM FOR THE HOUSING TYPE

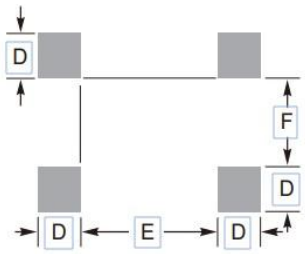

Installation



Side view

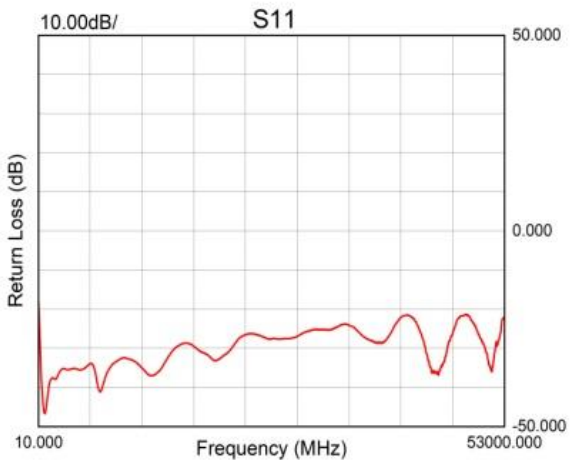


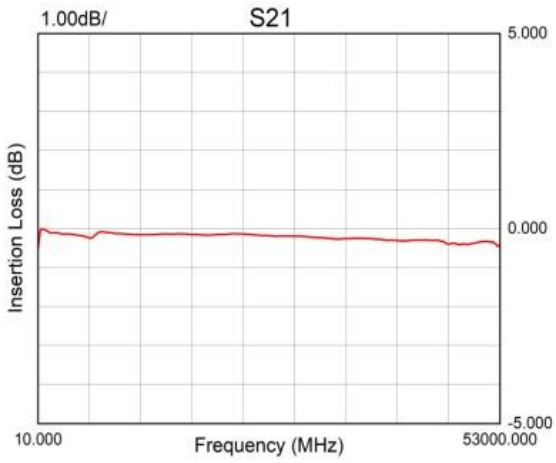
Front view



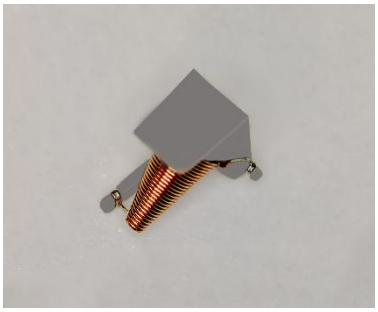
Recommended Land Pattern

FREQUENCY RESPONSE





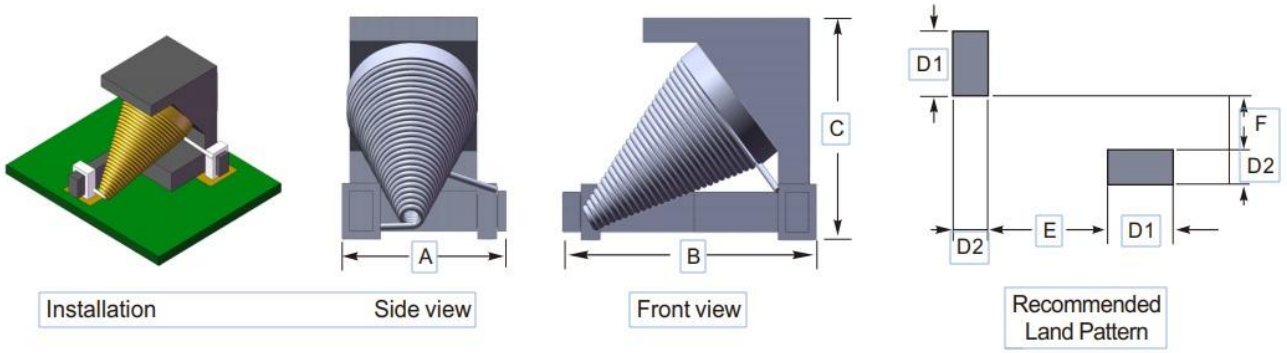
Half-enclosed packaged broadband conical inductor (Z series)



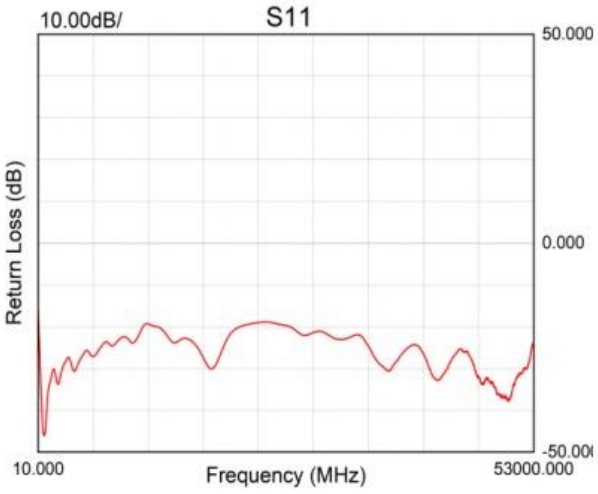
FEATURES

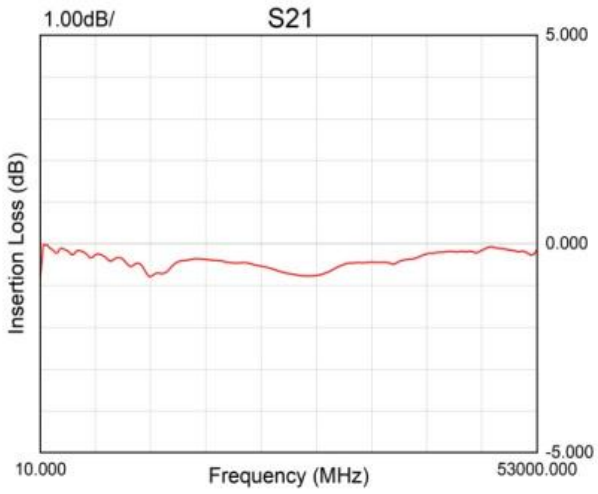
- Simplified structure and miniaturized size
- The solder joint gap is controllable, reducing the noise of the line arc
- Ultra-wideband applications, with outstanding high-frequency performance
- The magnetic core is fully encapsulated to prevent oxidation
- The solder joint gap is controllable, reducing the noise of the line arc
- Thermal management and reliability improvement enhance temperature stability
- Miniaturized and standardized packaging, compatible with SMT automation, reduces assembly costs

INSTALLATION DIAGRAM FOR THE HOUSING TYPE

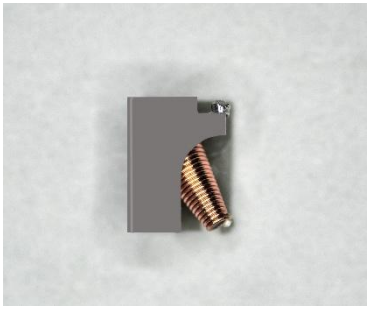


FREQUENCY RESPONSE





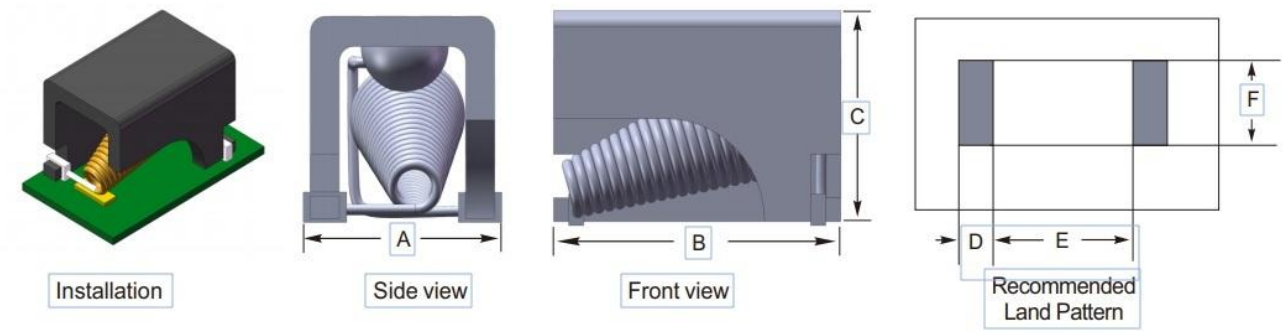
Direct-welded cover type broadband conical inductor (U series)



FEATURES

- Anti-parasitic design
- Low insertion loss (< 0.5dB)
- Supports reflow soldering installation
- Ultra-wideband application (~53GHz)
- Optimized processing procedure of welding points, highly integrated in space
- It features an extremely optimal volume ratio, enabling high-density applications

INSTALLATION DIAGRAM FOR THE HOUSING TYPE



FREQUENCY RESPONSE