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Shielded Surface Mount RF Inductors with Higher Inductance

Gowanda Expands SML32S “1210” Series - Now Offering Inductance Values to 470 μH

Gowanda, NY (USA) - Gowanda Electronics, a designer and manufacturer of precision electronic components for radio frequency and power applications, announces the expansion of its SML32S series of wirewound, shielded, molded RF surface mount inductors in the “1210” style. This expansion increases the number of individual parts in the series by more than 20% and broadens the inductance range by adding values from 120 to 470 μH .

The expansion was done in order to address the market need for higher inductance shielded inductors in RF applications. Shielded inductors are used specifically in applications where the close proximity of circuit board components requires the inductor to be shielded to minimize interactions and ensure performance of the overall system. Such inductors are used for radio frequency applications in commercial, medical and military communities. That includes use in communication, guidance, security, radar, and test & evaluation applications.

The performance range provided by the expanded SML32S series includes inductance from 0.1 μH to 470 μH , DCR ohms max from 0.15 to 25 and current rating mA DC from 91 to 1175. There are two core types in the series (powdered iron or ferrite). The series operating temperature range is -55°C to +125°C. See data table below. More technical information is available on the SML32S datasheet and at the website (links below). The SML32S series is the magnetically shielded version of Gowanda’s SML32 series (link below).

Performance Range of Expanded SML32S Series

Gowanda Series	L μH	SRF MHz Min	DCR Ohms Max	Current Rating mA DC
SML32S	0.1 - 470	2.1 - 375	0.15 - 25	91 - 1175

Helpful Links:

- SML32S Series Information: <http://www.gowanda.com/catalog/standard/sml32s-detail.html>
- SML32S Series Datasheet: http://www.gowanda.com/images/files/Gowanda_SML32S_Datasheet_01292018.pdf
- SML32S Series Frequency Graphs: http://www.gowanda.com/images/files/Gowanda_SML32S_Graphs_01152018.pdf
- SML32 (unshielded) Series Information: <http://www.gowanda.com/catalog/standard/sml32-detail.html>
- Standard RF Surface Mount Inductor Product Line: <http://www.gowanda.com/standard-products.html#rf-surface-mount>

For more information regarding pricing, delivery, higher reliability or upscreening requirements please contact Gowanda Electronics at USA +1-716-532-2234 or sales@gowanda.com