



All the technical data and information contained herein are subject to change without prior notice. (in mm)

Part Number	Frequency Range (Band1 Tx) (MHz)	Frequency Range (Band1 Rx) (MHz)	Frequency Range (Band2-1 Tx) (MHz)	Frequency Range (Band2-1 Rx) (MHz)	Frequency Range (Band2-2 Tx) (MHz)	Frequency Range (Band2-2 Rx) (MHz)	Insertion Loss (Band1 Tx-ANT) (dB)	Insertion Loss (ANT-Band1 Rx) (dB)	Insertion Loss (Band2 Tx-ANT) (dB)	Insertion Loss (ANT-Band2-1 Rx) (dB)	Insertion Loss (ANT-Band2-2 Rx) (dB)
<b>LMSP43AA-191</b>	f <sub>tl</sub> :897.5 ±17.5MHz	942.5 ±17.5MHz	f <sub>th</sub> :1747.5 ±37.5MHz	1842.5 ±37.5MHz	f <sub>th</sub> :1747.5 ±37.5MHz	1842.5 ±37.5MHz	1.3 max. (at 25°C)	1.0 max. (at 25°C)	1.15 max. (at 25°C)	0.9 max. (at 25°C)	0.9 max. (at 25°C)
<b>LMSP54AA-097</b>	f <sub>tl</sub> :897.5 ±17.5MHz	942.5 ±17.5MHz	f <sub>th</sub> :1747.5 ±37.5MHz	1842.5 ±37.5MHz	f <sub>th</sub> :1747.5 ±37.5MHz	1842.5 ±37.5MHz	1.2 max. (at 25°C)	1.0 max. (at 25°C)	1.2 max. (at 25°C)	1.0 max. (at 25°C)	1.0 max. (at 25°C)
<b>LMSP54CA-141</b>	f <sub>tl</sub> :897.5 ±17.5MHz	942.5 ±17.5MHz	f <sub>dth</sub> :1747.5 ±37.5MHz	1842.5 ±37.5MHz	f <sub>dth</sub> :1747.5 ±37.5MHz	1842.5 ±37.5MHz	1.2 max. (at 25°C)	1.0 max. (at 25°C)	1.55 max. (at 25°C)	1.2 max. (at 25°C)	1.2 max. (at 25°C)
<b>LMSP54CA-142</b>	f <sub>tl</sub> :897.5 ±17.5MHz	942.5 ±17.5MHz	f <sub>dth</sub> :1747.5 ±37.5MHz	1842.5 ±37.5MHz	f <sub>dth</sub> :1747.5 ±37.5MHz	1842.5 ±37.5MHz	1.2 max. (at 25°C)	1.0 max. (at 25°C)	1.55 max. (at 25°C)	1.2 max. (at 25°C)	1.2 max. (at 25°C)

**Note** • This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering. Especially, please read rating and **CAUTION** (for storage, operating, rating, soldering, mounting and handling) in them to prevent smoking and/or burning, etc.  
 • You are able to read a detailed specifications in the website (<http://search.murata.co.jp/>) before to require our product specifications or to transact the approval sheet for product specifications.