



RF MICROWAVE SWITCH (REFLECTIVE)

FEATURES:

- *SP1T to SP10T
- *Available from 5MHz-20GHz
- *High Isolation to 85dB
- *Excellent Insertion Loss & VSWR
- *Integral TTL Drivers
- *30nS Typical Switching Speed: 10% TTL to 90% RF

APPLICATIONS:

- *Wave Shaping
- *Pulse Modulation
- *Receiver Protection

LRS Series

DESCRIPTIONS:

LTC MICROWAVE LAS series PIN Diode Switches are Absorptive switches that combine low loss, high isolation performance with an integral TTL driver in a compact package. Various driver options are available. The switches are also available in higher isolation versions up to 85dB. These switches can also be supplied without drivers.

SPECIFICATIONS:

LRS1 (SP1T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS1U5021065S	0.5-2.0	1.0	65	1.5:1	SMA-F	*
LRS102041065S	2.0-4.0	1.0	65	1.6:1	SMA-F	*
LRS104081365S	4.0-8.0	1.3	65	1.6:1	SMA-F	*
LRS108121665S	8.0-12.0	1.6	65	1.7:1	SMA-F	*
LRS112202265S	12.0-20.0	2.2	65	2.0:1	SMA-F	*
LRS1U5202265S	0.5-20.0	2.2	65	2.0:1	SMA-F	*

LRS2 (SP2T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS2U5021170S	0.5-2.0	1.1	70	1.5:1	SMA-F	*
LRS202041165S	2.0-4.0	1.1	65	1.6:1	SMA-F	*
LRS204081365S	4.0-8.0	1.3	65	1.7:1	SMA-F	*
LRS208121860S	8.0-12.0	1.8	60	1.7:1	SMA-F	*
LRS212202660S	12.0-20.0	2.6	60	2.0:1	SMA-F	*
LRS2U5202660S	0.5-20.0	2.6	60	2.0:1	SMA-F	*

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LRS3 (SP3T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS3U5021170S	0.5-2.0	1.1	70	1.5:1	SMA-F	*
LRS302041165S	2.0-4.0	1.1	65	1.6:1	SMA-F	*
LRS304081365S	4.0-8.0	1.3	65	1.7:1	SMA-F	*
LRS308121860S	8.0-12.0	1.8	60	1.8:1	SMA-F	*
LRS312202660S	12.0-20.0	2.6	60	2.0:1	SMA-F	*
LRS3U5202660S	0.5-20.0	2.6	60	2.0:1	SMA-F	*

LRS4 (SP4T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS4U5021270S	0.5-2.0	1.2	70	1.5:1	SMA-F	*
LRS402041265S	2.0-4.0	1.2	65	1.6:1	SMA-F	*
LRS404081465S	4.0-8.0	1.4	65	1.7:1	SMA-F	*
LRS408122060S	8.0-12.0	2.0	60	1.8:1	SMA-F	*
LRS412202760S	12.0-20.0	2.7	60	2.0:1	SMA-F	*
LRS4U5202760S	0.5-20.0	2.7	60	2.0:1	SMA-F	*
LRS4M7144080S	0.07-14.5	4.0	80	2.0:1	SMA-F	*

LRS5 (SP5T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS5U5021270S	0.5-2.0	1.2	70	1.5:1	SMA-F	*
LRS502041265S	2.0-4.0	1.2	65	1.6:1	SMA-F	*
LRS504081465S	4.0-8.0	1.4	65	1.7:1	SMA-F	*
LRS508122060S	8.0-12.0	2.0	60	2.0:1	SMA-F	*
LRS512203060S	12.0-20.0	3.0	60	2.0:1	SMA-F	*
LRS5U5203060S	0.5-20.0	3.0	60	2.0:1	SMA-F	*

LRS6 (SP6T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS6U5021370S	0.5-2.0	1.3	70	1.8:1	SMA-F	*
LRS602183260S	2.0-18.0	3.2	60	2.0:1	SMA-F	*

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LRS7 (SP7T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS7U5021370S	0.5-2.0	1.3	70	1.8:1	SMA-F	*
LRS702183660S	2.0-18.0	3.6	60	2.0:1	SMA-F	*

LRS8 (SP8T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS8U5021370S	0.5-2.0	1.3	70	1.8:1	SMA-F	*
LRS802183860S	2.0-18.0	3.8	60	2.0:1	SMA-F	*
LRS8U5021570S	0.5-2.0	1.5	70	1.8:1	SMA-F	*
LRS802184260S	2.0-18.0	4.2	60	2.0:1	SMA-F	*

LRS10 (SP10T): Reflective

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LRS10M7147080S	0.07-14.5	7.0	80	2.0:1	SMA-F	*
LRS10U5021570S	0.5-2.0	1.5	70	1.8:1	SMA-F	*
LRS1002184260S	2.0-18.0	4.2	60	2.0:1	SMA-F	*

*CONSULT THE FACTORY.

LTC MICROWAVE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.