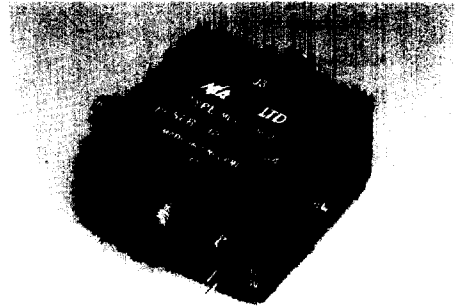


DPDT TRANSFER SWITCH
WITH TTL COMPATIBLE DRIVER
0.5 TO 18.0 GHz

FEATURES

- ◆ Broad Frequency Ranges
- ◆ Low Insertion Loss
- ◆ SMA Connectors
- ◆ Hermetically Sealed
- ◆ TTL Compatible



DESCRIPTION

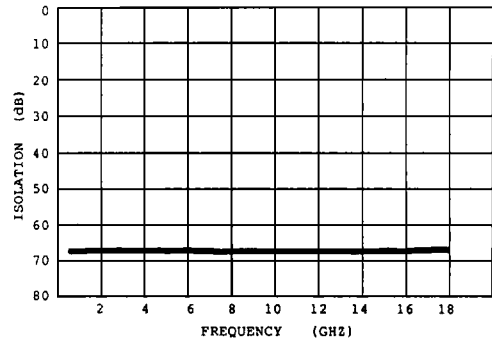
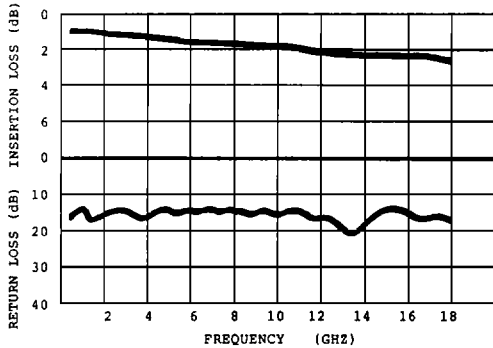
The ML 6560-200D series of DPDT transfer switches from M/A-COM Ltd offers high isolation and low insertion loss in a standard coaxial outline. All the switches have an integral TTL compatible driver with fast switching or higher power handling options available as standard. Devices are supplied with either SMA male or female connectors. As an option a multiway D connector can be specified for d.c. connections.

SPECIFICATIONS @ +25°C

Frequency Range (GHz)	Max Insertion Loss (dB)	Max VSWR	Min Isolation (dB)	Max Transition Time (ns)	Max Switching Speed (ns)	Max Peak Power (W)	Max CW Power (W)	Part Number
0.5 - 2.0	1.2	1.4	65	10	30	0.1	0.1	ML6563-201D
				50	250	1.0	0.5	ML6563-202D
2.0 - 6.0	1.6	1.6	65	10	30	0.1	0.1	ML6564-201D
				50	250	1.0	0.5	ML6564-202D
6.0 - 12.0	2.0	1.8	65	10	30	0.1	0.1	ML6565-201D
				50	250	1.0	0.5	ML6565-202D
12.0 - 18.0	2.5	2.0	60	10	30	0.1	0.1	ML6566-201D
				50	250	1.0	0.5	ML6566-202D
6.0 - 18.0	2.5	2.0	60	10	30	0.1	0.1	ML6567-201D
				50	250	1.0	0.5	ML6567-202D
0.5 - 18.0	2.7	2.0	60	10	30	0.1	0.1	ML6568-201D
				50	250	1.0	0.5	ML6568-202D

Typical Performance

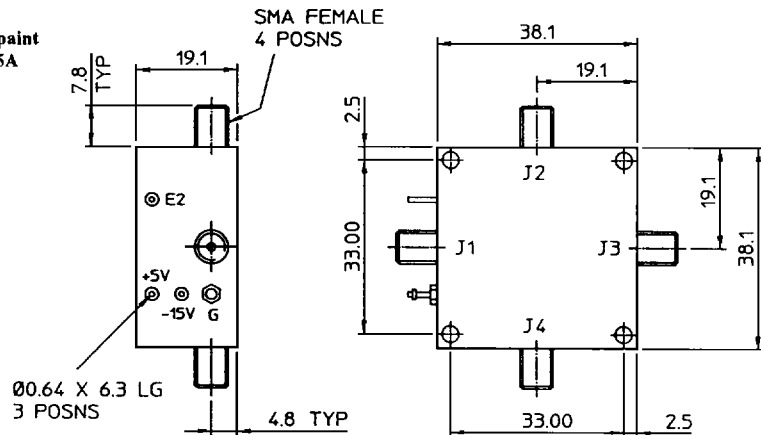
ML6568-201D



Outline Drawing

Third Angle Projection

All dimensions in mm

Tolerances X.X = ± 0.5 mmX.XX = ± 0.2 mmStandard Finish: Matt black paint
to DTD 5555A

NOTES:

- 1) J1, J3 are RF inputs, J2, J4 are RF outputs.
- 2) Power supplies required +5V @ 120mA maximum, -15V @ 80mA maximum. Other combinations available on request, please contact the factory for further details.
- 3) E2 is TTL control input, TTL '0' J1-J2 and J3-J4 low loss.
TTL '1' J1-J4 and J3-J2 low loss.
- 4) TTL logic '0' is 0 to 0.8V, TTL logic '1' is 2.0 to 5.5V
- 5) Any combination of SMA male/female connectors is available, please consult the factory.
- 6) Transition time is defined as 10% to 90% detected RF.
Switching time is defined as 50% TTL to 90% detected RF
- 7) Case operating temperature -55°C to +85°C
Storage temperature -55°C to +125°C

All specifications subject to change without notice

M/A-COM Ltd, Humphrys Road, Dunstable, Bedfordshire, LU5 4SX United Kingdom.

Europe: (44) 1344 869595

North America: 800 366 2266

Asia Pacific: (81) 3 3226 1671