

## SP4T Broadband GaAs RF/Microwave Switch 1-10533

Frequency 10 MHz to 3 GHz

Low Insertion Loss

Fast Switching

Integral TTL Drivers

Temperature Range -40  
to +85°C



The Pascall SP4T Broadband RF/Microwave Switch, first of a new series, uses FET technology and offers reliable broadband performance over a wide operating temperature range.

The 1-10533 switch is a robust SP4T unit designed for inclusion in military and high grade civil systems where reliable fast switching is required. Control is by standard TTL input levels.

The unit is robustly constructed in a lightweight aluminium alloy housing and is designed to withstand the harsh mechanical environments typically experienced by airborne systems.

Pascall will shortly launch similar switches with SP2T and SP3T configurations.

# SP4T Broadband GaAs RF/Microwave Switch 1-10533

## DATA

Frequency Range		10MHz - 3GHz
Insertion Loss		2.5 dB max. (see graph)
Isolation		36 dB min. (see graph)
Switching Speed	(50% TTL - 90/10% RF)	40 nS max.
VSWR		2 : 1 max.
1dB Compression Point	0.05 to 0.5 GHz 0.5 to 4.0 GHz	+15 dBm typ. +27 dBm. typ.
Temperature Range - operating storage		-40 to +85°C -65 to +125°C
Bias Supply		+/- 5 Volts dc.
Control		TTL

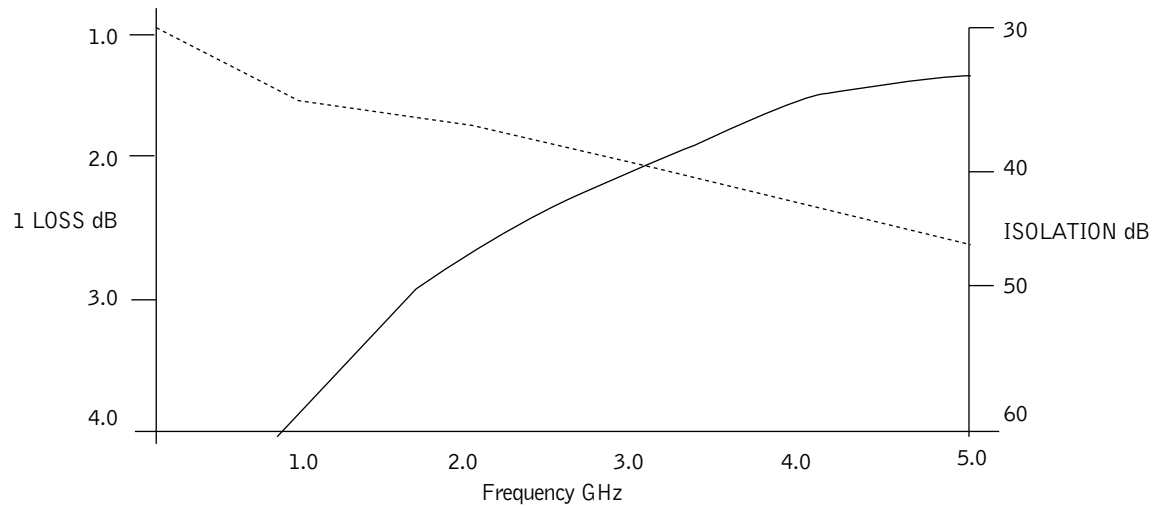
TTL	C1	C2	Output
	0	0	RF 1
	0	1	FR 2
	1	0	RF 3
	1	1	RF 4

RF Connectors

SMA Female

Size

45 x 30 x 9mm (excluding connectors)



Pascall Electronics Limited, Tel +44 (0) 1983 817300  
 Westridge Business Park, Fax +44 (0) 1983 564708  
 Cothey Way,  
 Ryde, Isle of Wight  
 PO33 1QT UK

The right is reserved to amend the specifications of the products without notice

[www.pascall.co.uk](http://www.pascall.co.uk)