

## 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 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.

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<b>Frequency Range</b>	10 MHz – 3GHz			
<b>Insertion Loss</b>	2.5 dB max. (see graph)			
<b>Isolation</b>	36 dB min. (see graph)			
<b>VSWR</b>	2 : 1 max.			
<b>Switching speed (max)</b>	40 ns (50% TTL – 90/10%RF)			
<b>1dB Compression Point</b>	+27 dBm. min.			
<b>Temperature Range – operating storage</b>	-40 to +85° C -65 to +125° C			
<b>Bias Supply</b>	+/- 5 Volts dc.			
<b>Control</b>	TTL	C1	C2	OUTPUT
		0	0	RF1
		0	1	RF2
		1	0	RF3
		1	1	RF4
<b>RF Connectors</b>	SMA Female			
<b>Size</b>	45 x 30 x 9mm (excluding connectors)			

