

**System Parameters (at 25°C unless otherwise noted)**

	<b>Standard</b>	<b>Optional</b>
Bandwidth (-3dB)	<2kHz to >1.35GHz  (typ. 1kHz to 1.6GHz)	Alternative bandwidths are available
Risetime	<350ps	
Simultaneous Dynamic Range @500MHz	>150dB in a 1Hz bandwidth	Refer to AC Gain  AN014.
Transmitter Gain, Nominal	0dB	-20dB
Receiver Gain, Nominal	0dB	+10dB
Electrical Link Gain, Nominal	= [Tx Gain + Rx Gain] – [2 x Optical Loss] Optical Loss due to fibre is 0.4dB/km Optical Loss due to connectors is 0.5dB per connector typical Refer to AC Gain for a discussion on the gain calculation for the AC Analogue Fibre-Optic-Link systems.	
Gain Stability	Better than +/-0.25dB after 20 minutes warm up	
Receiver Gain Status LED	Green: Gain is within 3dB of [Tx Gain + Rx Gain] Alternating Red/Green: Gain is between 3dB and 10dB below [Tx Gain + Rx Gain] Red: Gain is less than 10dB below [Tx Gain + Rx Gain]	
Passband Flatness	2kHz-100kHz: +/-1.5dB >100kHz: +/-1dB (typical +/-0.5dB for 100kHz to 1GHz)	
Noise Figure @ 500MHz	<25dB for 0dB Tx Gain  (typ. < 22dB)	<45dB for -20dB Tx Gain
Input P1dB @ 500MHz	>0dBm for 0dB Tx Gain  (typ. >+2dBm)	>+20dBm for -20dB Tx Gain
Input IP3 @ 500MHz	>15dBm for 0dB Tx Gain	>+35dBm for -20dB Tx Gain
Absolute Maximum Input	>+15dBm, 5Vdc	
Input/Output Impedance, VSWR	50Ω , ≤ 2:1	
Operating Temperature	-10 <sup>0</sup> C to +40 <sup>0</sup> C	
Electrical Signal Connector	SMA female	
Optical Signal Connector	Angle Polish FC/APC Singlemode	

Data Channel		RS232 single channel 115kb/s. Other data formats and rates available.
Data Channel Optical Connector		ST Multimode 50/125
Supply Voltage	Refer to housing option	
Current Consumption	<250mA Tx, <150mA Rx	
Housing Options	Shielded Remote Module, Plug-In Module. Using a Converter Sleeve 75002 the Plug-In Module can be supplied as a single Remote Module.	
Plug-In Case Suitability	PRK1, PRK2, PRK3	