80C07B Optical Measurement Module

The 80C07B multi-rate optical sampling module for the Tektronix 8000 Series Communications Signal Analyzer family encompasses the entire range of tributary rates, from 155 Mb/s to 2.666 Gb/s, for today's telecom and datacomm standards. The 80C07B's superior signal-to-noise performance ensures reliable measurements on low-power signals.

Feature	Characteristic
Supported standards and filtering rates	• OC-48/STM-16 (2.488 Gb/s) • Infiniband, 2 Gigabit Ethernet (2.500 Gb/s) Optional: • OC-3/STM-1 (155 Mb/s) • OC-12/STM-4 (622 Mb/s) • FibreChannel (1.063 Gb/s) • Gigabit Ethernet (1.250 Gb/s) • 2 Gigabit FibreChannel (2.125 Gb/s)
Effective wavelength range	700 nm to 1650 nm
Calibrated wavelengths (All ± 20 nm)	• 780 nm • 850 nm • 1310 nm • 1550 nm
Clock recovery rates (Optional)	• 155 Mb/s • 622 Mb/s • 1.063 Gb/s • 1.250 Gb/s • 2.125 Gb/s • 2.488 Gb/s • 2.500 Gb/s • 2.666 Gb/s
Unfiltered optical bandwidth	2.5 GHz (typical)
Fiber input accepted	Single- or multi-mode
RMS optical noise (typical)	• 0.50 µW at 155 Mb/s, 622 Mb/s • 0.70 µW at 2.488 Gb/s •
Power Meter Range	+4 dBm to -30 dBm
Power Meter Accuracy	5% of reading
Mask test optical sensitivity	• -22 dBm at 155 Mb/s, 622 Mb/s

	• -20 dBm at 2488 Mb/s