

Technical Specification

CFQ ODU Technical specification

CFQ MICROWAVE RADIO SYSTEM SPECIFICATION		CFQ-6	CFQ-7	CFQ-8	CFQ-13	CFQ-15	CFQ-18	CFQ-38
Product number		Q06RFM01	Q07RFM01	Q08RFM01	Q13RFM01	Q15RFM01	Q18RFM01	Q38RFM01
Modulation		QPSK; 16QAM; 32QAM; 128QAM						
Capacity		Up to 155 Mbps (STM-1)						
Channel spacing (MHz)		28						
Intermediate frequency (MHz)		Transmit/Receive: 350/140						
Frequency stability (ppm)		+/-7	+/-10	+/-7	+/-10	+/-10	+/-10	+/-10
Background BER		<10e ⁻¹²						
Performance		Performance parameters correspond to recommendation ETSI EN 301 129 V1.1.2 (1999-05)						
Max. transmitter power (dBm)		22	24	22	22	20	19	14
Output power increments (dB)		0.5	0.1	0.5	0.1	0.5	0.1	0.1
Output power dynamic range (dBm)		-5 to +22	+10 to +24	-5 to +22	+5 to +22	-5 to +20	+5 to +19	0 to +14
Receiver sensitivity (RSL threshold) 128QAM	BER 10 ⁻⁶	-69	-69	-69	-68	-69	-67	-65
	BER 10 ⁻³	-73	-71	-73	-70	-73	-69	-68
Received thresholds/System gains (guaranteed dBm) BER 10 ⁻⁶	QPSK	-	-82/106	-	-82/106	-	-81/105	-79/103
	16QAM	-	-81/103	-	-81/103	-	-79/101	-77/99
	32QAM	-	-79/98	-	-79/98	-	-77/96	-75/94
	128QAM	-	-69/83	-	-69/83	-	-67/81	-65/79
Flange type		UBR 70	UBR 84	UBR 84	UBR 140	UBR 140	UBR 220	UBR 320
Max. Input power at antenna port		10 dBm						
Polarization		vertical or horizontal, field selectable						
Mounting options to antenna		direct or via flexible waveguid						