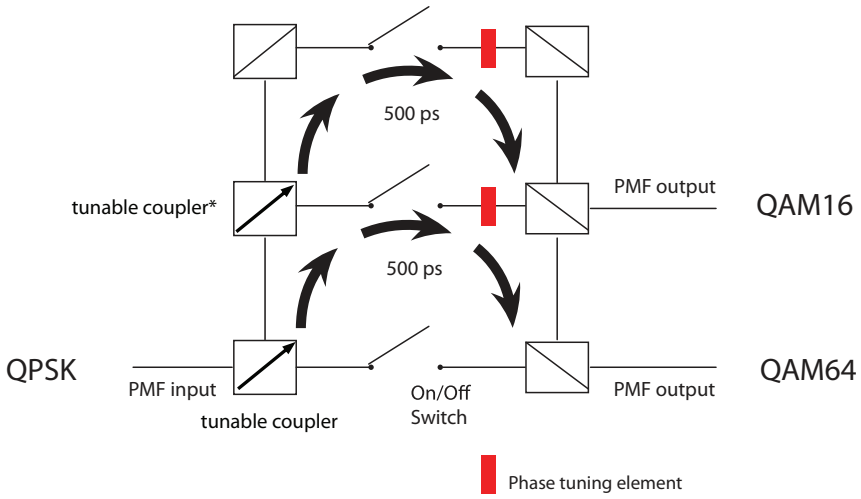
QAM Emulator

The device is a 3-path interference with 500ps delay between each arm. The interferometer may be used to emulate QAM 16 and QAM 64 respectively on first and second outputs from a PM QPSK input signal. This delay is customizable at the order. A stable fine phase tuning system is implemented enabling a perfect control of the phase of the constellation .



Parameter	unit	QAM
Frequency range	THz	191 to 197
Fiber type		PM Panda 900µm coreguide
Excess IL path#1 (output QAM64 only)	dB	2.0
Excess IL path#2	dB	3.0
Excess IL path#3	dB	4.0
Path difference first stage	ps	500
Path difference snd stage	ps	500
Path delay precision	%	1
Pow Balancing controllers Qty		2
Max optical power	mW	300

Phase control	unit	Low Voltage (L)
tuning time constant [0% to 50%]	s	1.0
tuning range	deg	> 360
tuning voltage	V	0 to 4
power consumption	W	< 0.5

ordering information

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Input connector	Output connector
FCUPC	FCUPC
FCAPC	FCAPC
SCUPC	SCUPC
SCAPC	SCAPC
LC	LC

rev 2.00