TEST CHARACTERISATION DATA - PRELIMINARY
4 Channel Arrayed EVOA

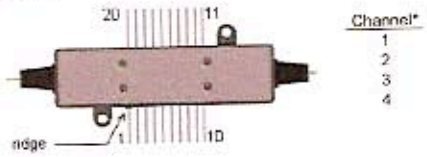
BKM-52005-01

Device Details

Serial Number	00-441-302-054
Test Time & Date (HH-DD-MM-YY)	11-23-02-01
Fibre type	Ribbon fibre
Device status	Prototype

Channel configuration and pinout

Top view



* Note: The fibre for Channel 1 is the furthest away from pin 1

Pin #	Description	Pin #	Description
1	TEC - supply	11	Ch 2 cathode
2	Ch 3 anode	12	Ch 1 cathode
3	Ch 4 anode	13	Not connected
4	Not connected	14	Not connected
5	Not connected	15	Thermistor
6	Thermistor	16	Not connected
7	Not connected	17	Not connected
8	Not connected	18	Ch 1 anode
9	Ch 4 cathode	19	Ch 2 anode
10	Ch 3 cathode	20	TEC + supply

Performance Summary

Maximum Insertion Loss (dB) at measured wavelength (see note 4) including PDL	CH1	CH2	CH3	CH4
	2.21	2.14	2.35	2.64

Maximun PDL (dB) 1529nm - 1565nm at Dynamic Attenuation measured at 1550nm	CH1			CH2		
	0dB	20dB	25dB	0dB	20dB	25dB
	0.23	0.24	0.33	0.21	0.26	0.24

Maximun PDL (dB) 1529nm - 1565nm at Dynamic Attenuation measured at 1550nm	CH3			CH4		
	0dB	20dB	25dB	0dB	20dB	25dB
	0.25	0.35	0.30	0.17	0.29	0.25

Dynamic Attenuation (dB) at applied current and wavelength	CH1			CH2		
	1529nm	1550nm	1565nm	1529nm	1550nm	1565nm
10mA	9.44	9.82	10.08	9.55	9.93	10.21
30mA	19.75	20.52	21.10	19.86	20.65	21.22
60mA	30.96	32.45	33.24	31.05	32.13	33.04

Dynamic Attenuation (dB) at applied current and wavelength	CH3			CH4		
	1529nm	1550nm	1565nm	1529nm	1550nm	1565nm
10mA	9.39	9.77	10.04	9.40	9.76	10.05
30mA	19.63	20.41	20.97	19.57	20.36	20.93
60mA	30.68	31.97	33.06	30.73	31.92	32.80

Notes

(1) This device is a prototype. Therefore it is not suitable for environmental stress testing.
(2) The above data was measured at an ambient temperature of 25°C, with the internal TEC operating and the chip temperature set to 70°C
(3) Test performed on EVOA characterisation test system 2
(4) All data measured at three wavelengths - 1529nm, 1550nm and 1565nm

Test Engineer	Quality
J.A. MACO.	