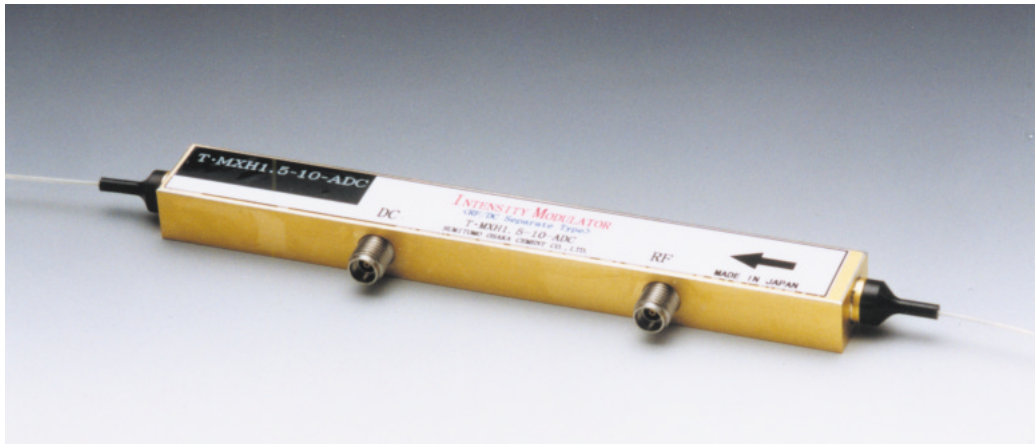


# 10 Gb/s LiNbO<sub>3</sub> Intensity Modulator

## T.MXH 1.5-10-ADC

With a separated structure between the RF port and DC port, this x-cut modulator requires no bias T, which results in reduced system costs.



### Parameter

### Specification

Operating Wavelength .....	1550 ± 20nm
Insertion Loss .....	≦6.0dB
ON/OFF Extinction Ratio .....	≧20dB @DC
RF Port V $\pi$ .....	≧5.5Vp-p@10Gb/s
DC Port V $\pi$ .....	≧6.5Vp-p
Optical Bandwidth, S21 .....	≧10GHz
Electrical Return Loss, S11 .....	≧12 130MHz to 8GHz ≧10 8GHz to 10GHz
$\alpha$ Parameter .....	≧0.2
Maximum RF Input Power .....	+25dBm
Maximum Optical Input Power .....	50mW

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