

**BENEFITS**

- .complete grid modularity
- .ultra wide frequency range

**FEATURES**

- .spacing tunability
- .frequency tunability
- .motorized and manual versions available
- .PM option available
- .2U rack packaging

**APPLICATIONS**

- .network testing
- .grid optimization

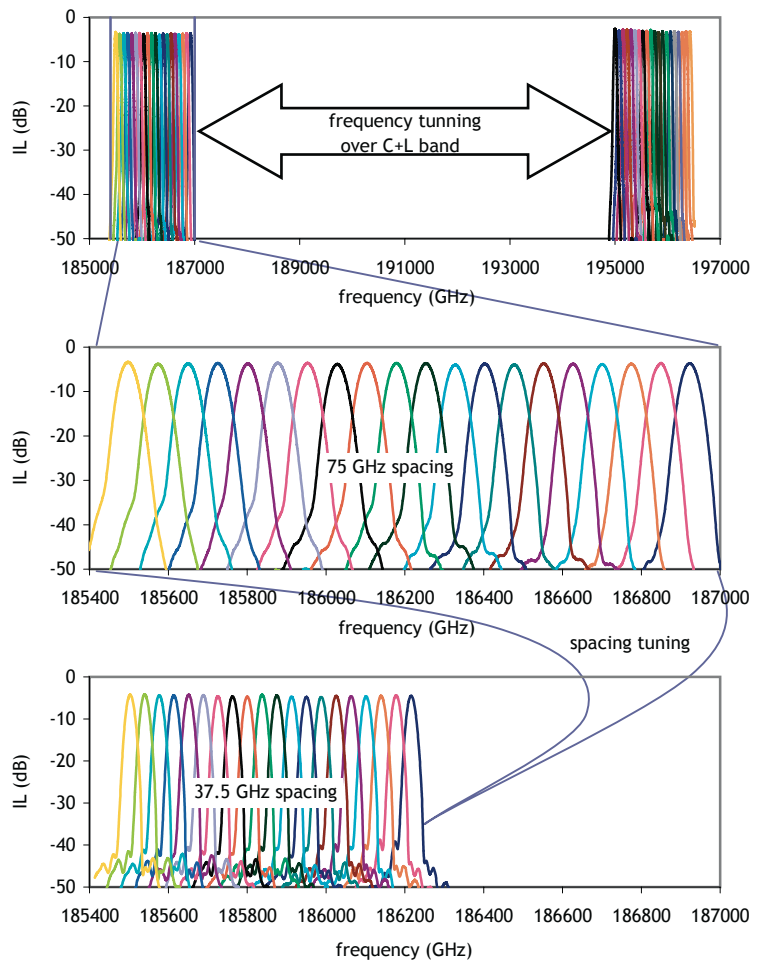
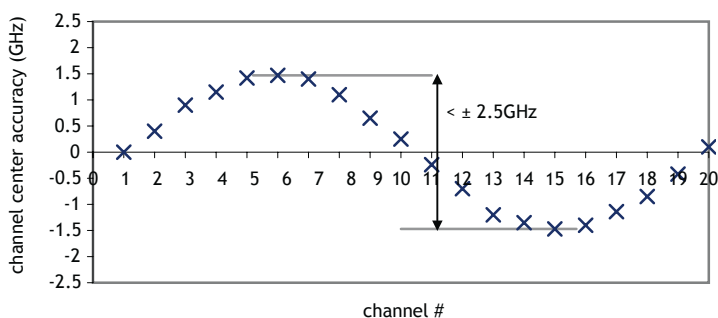
t-mics is an instrument available in 2 versions :

manual version : spacing and frequency can be tuned by using two micrometer heads

computer piloted version : spacing and frequency are controlled using an user friendly software for active setup and fast tunability

parameter	unit	gaussian
frequency tuning range	GHz	< 20 channels C+L band
polarization dependent loss (PDL)	dB	< 0.5
insertion loss uniformity	dB	< 1.5
bandwidth @-3dB	GHz	> 0.45 x spacing
adjacent crosstalk	dB	28
non-adjacent crosstalk	dB	40
cumulative crosstalk	dB	23
return loss	dB	30 (40 typ.)
PMD	ps	< 0.2
directivity	dB	50
chromatic dispersion	ps/nm	± 10
operating temperature range	°C	-5 à 70
storage temperature range	°C	-40 to 85

spacing range (GHz)	insertion loss (dB)	channel center accuracy (GHz)
12.5 to 25	< 8	± 1
25 to 50	< 6.5	± 2
37.5 to 75	< 5.5	± 2.5
50 to 100	< 5	± 3



Ordering Information:

**XSoptix**  
 800 Village Walk #316  
 Guilford, CT 06437  
 Ph: 203-401-8093  
 Email orders to: [sales@xsoptix.com](mailto:sales@xsoptix.com)  
 Fax orders to: 800-878-7282

ordering information

t-mics -  /  /  /  /

configuration M : manual P : piloted    number of channels 10 to 20    spacing range in GHz    fibre type SM : SMF-28 PM : Panda PM    connectors