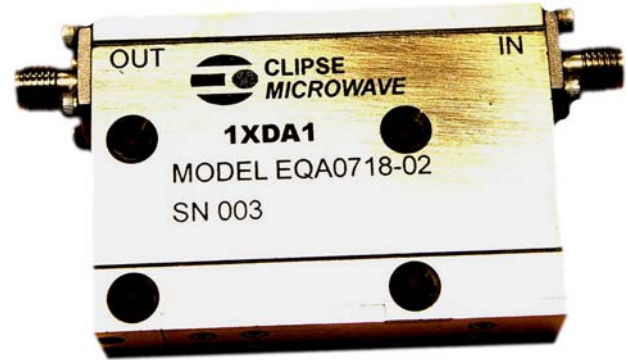




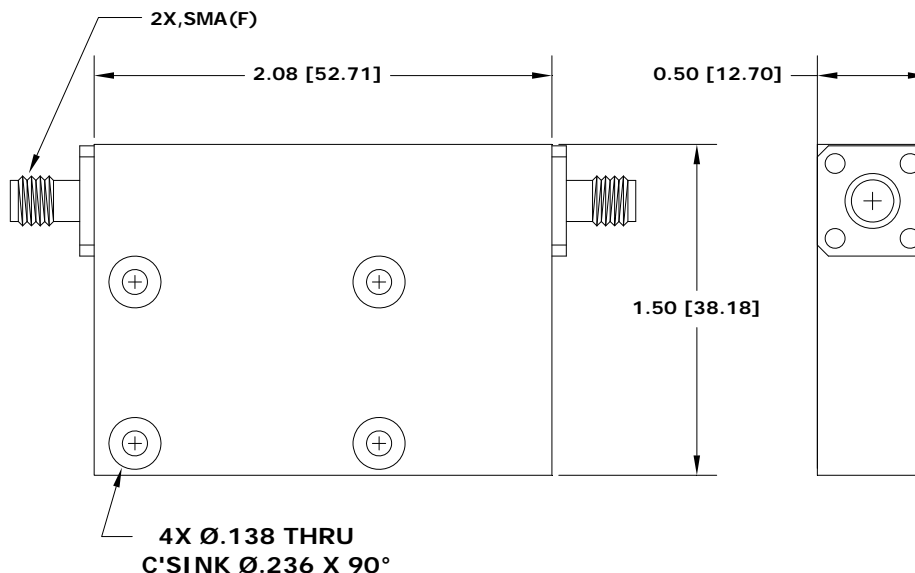
MICROWAVE & RF PRODUCTS

7.0 to 18.5 GHz, 18 dB Parabolic Shape Adjustable Amplitude Equalizer

- 18 dB Peak Attenuation @ 12 GHz
- Low Insertion Loss @ 18.5 GHz
- Adjustable Attenuation Tuning
- +/- 0.5 dB Curve Accuracy
- Compact Size
- Military Environment Application



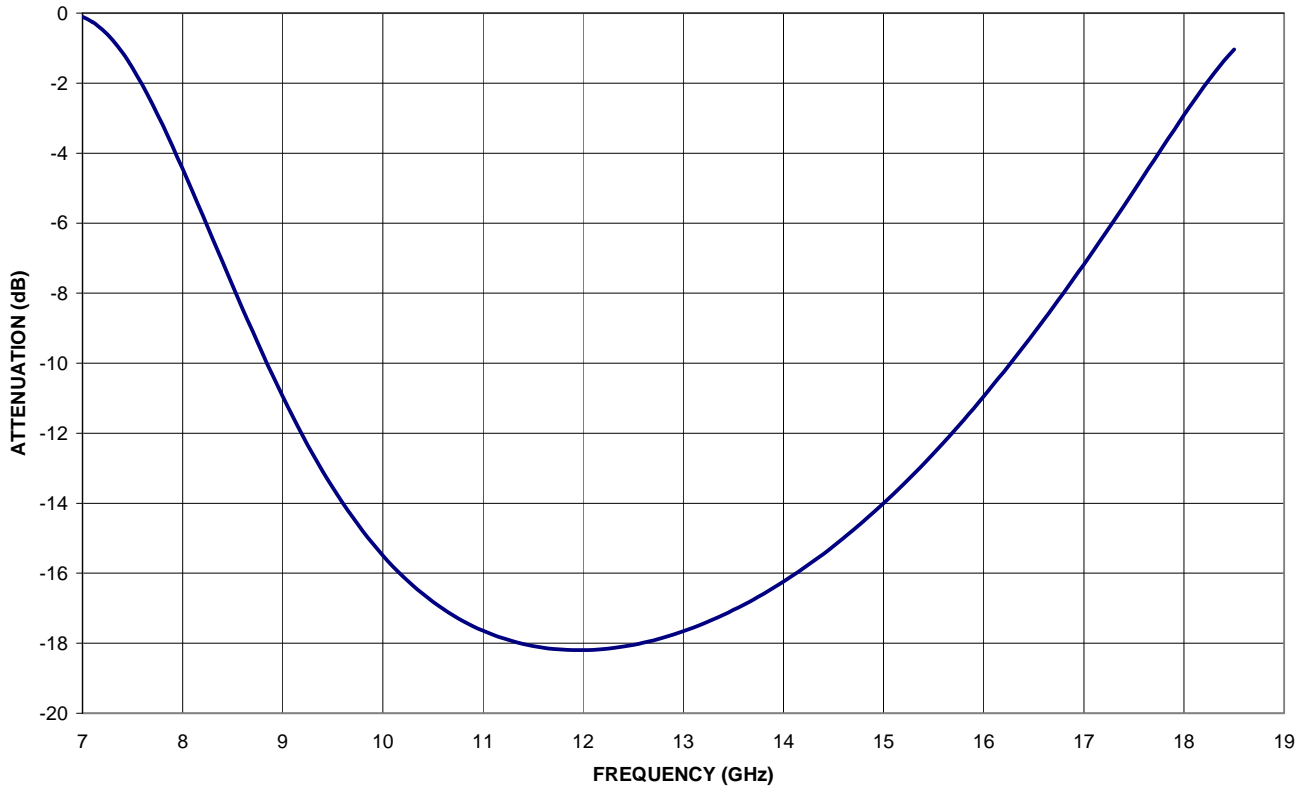
The Model EQA0718-02 is an adjustable, 18 dB parabolic shaped amplitude equalizer that is suitable for TWT amplifier gain equalization. In a typical application, this amplitude equalizer is cascaded with a high gain TWT amplifier to reduce the system gain variation across the 7 to 18.5 GHz frequency band from 18 dB down to 1 dB. The Model EQA0718-02 provides a low insertion loss at 7 GHz and 18.5 GHz, while maintaining good impedance match over the entire operating band. The peak attenuation of nominally 18 dB can be adjusted by +/- 2 dB minimum using four attenuation adjustment screws. The peak attenuation of nominally 12 GHz can be adjusted by +/- 1.0 GHz minimum using four frequency adjustment screws. Custom adjustable equalizer package shapes, mounting configurations and attenuation performance options are available. The equalizer is design for a rugged military environmental application and operates over the temperature range of -55°C to +95°C.





MICROWAVE & RF PRODUCTS

PARABOLIC EQUALIZER



Specification Summary

Model No.	EQA0718-02
Frequency	7.0 to 18.5 GHz
Attenuation Curve	
7.0 GHz	0.5 dB
9.0 GHz	10.9 dB
11.0 GHz	17.4 dB
13.0 GHz	17.7 dB
15.0 GHz	13.9 dB
17.0 GHz	6.5 dB
18.5 GHz	1.1 dB
Attenuation Adjustment	+/- 2 dB minimum
Frequency Adjustment	+/- 1 GHz minimum
VSWR	1.75:1 maximum
Operating Temperature	-55°C to +95°C