# **TGF-B3 SERIES COAXIAL LOW PASS FILTER**



### P/N:TGF-B3120-001



Due to PN modification, the PN showing on picture may be its original PN.

#### **TECHNICAL SPECIFICATIONS:**

Pass Band	Insertion Loss	VSWR	Stop Band	Stop Band Attenuation
DC-10GHz	0.4dB	1.25	20GHz	60dB
Connector	Power Handling			
SMA-F/M	60W			

## **ENVIRONMENTAL PARAMETERS:**

WORKING TEMPERATURE: -55~+85°C STORAGE TEMPERATURE: -55~+100℃

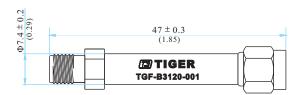
#### FEATURES AND APPLICATION:

Coaxial low pass filter is featured with compact size, low insertion loss, high power handling and good performance when temperature changing. It adopts Chebyshev design and has relatively wider stop band, which enable to use on 2<sup>nd</sup>, 3<sup>rd</sup> harmonic rejection of power amplifier and other system. It goes with SMA-Male and Female connector, that can be connect in series directly in system cable.

Coaxial low pass filter is mainly used for radar, communication, EW, remote testing, identifying of friend or foe and navigation systems.

The product is Tiger's standard product. If any special requirement needed, please feel free to contact us.

OUTLINE: mm (inch)



## **TYPICAL PLOT:**

Frequency Respons	e and VSWR						
CH1 S11 CH2 S21 CH3 S12 CH4 S22	LIN SWR 10 db mag 10 db mag 10 LIN SWR 10	d B/ d B/	REF 1 U REF 0 d REF 0 d REF 1 U	B		$\begin{array}{c} \bullet 1 \\ \bullet 1 \\ \bullet 1 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2 UB 2 ĞHz							10 GHZ
					J		
D1 - 30 d	B						
_100 mU/							
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START 130 MHz	I	I	2 GHz/		<u> </u>		STOP 18 GHz



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