



L3HARRIS™
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HA-TF-30-520

Tunable Filter Accessory

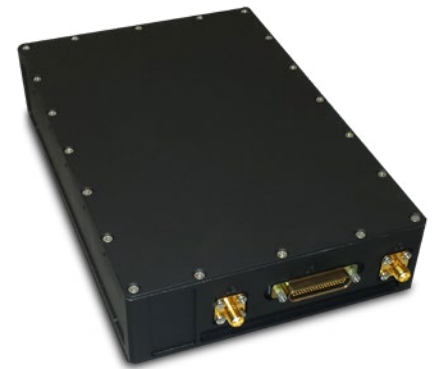
GENERAL	
Nomenclature	HA-TF-30-520
RT Compatibility	RT compatibility RF300M-DL (C) (SSDL), KOR-24A (STT), HAMR
Frequency Range	30 MHz – 520 MHz
Waveform Support	All RT waveforms (AM/FM, SINCGARS, HAVEQUICK, SRW, ANW2°C, P25 conventional, HPW)
Stopband Attenuation	> 30 dB @ +/-10% f_c
Insertion Loss	< 4 dB (Tx/Rx)
1 dB Bandwidth	> 3% of f_c
Bypass Mode	Selectable via radio when power on Automatically selected when power off Bypass mode insertion loss < 1 dB
Power Handling	38 dBm max
Input Voltage	28V IAW MIL-STD-704F < 14 W @ 28 VDC

PHYSICAL	
Dimensions	1.6 H x 5.1 W x 7.6 D in (4.1 H x 13 W x 19.3 D cm) (excludes connectors)
Volume	62 in ³
Weight	1.6 lbs
Color/Finish	Hard anodized, black Mounting surface is chem film for electrical bonding

INTERFACES	
DC Input	28 V
Control	LVDS, open L3Harris ancillary device interface 37 pin micro-D connector for power and control
RF	SMA

ENVIRONMENTAL	
Vibration	MIL-STD-810G1 rotary wing, gunfire shock, crash hazard
Altitude	20,000 ft (operating & storage)
Temperature	-40° F to +160° F (-40° C to +71° C) (operating & storage)
Cooling	Free convection; still air
EMI	MIL-STD-461F CE106, CE101, CE102, RE102

STANDARD KIT INCLUDES	
12219-1600-01	HA-TF-30-520 Tunable Filter Accessory (TFA)



The L3Harris Tunable Filter Accessory (TFA) reduces or eliminates Radio Frequency interference caused when multiple tactical communications systems are operating in close proximity. This can result in up to a 30 dB reduction in undesired signals. When used with L3Harris radios, the TFA automatically tunes to all supported waveforms.



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