Small Signal Feed Through Filters **AFCL** 060 series

CL configuration, film dielectric

Feed through filter range using film capacitor technology to achieve good temperature stability. The units are housed in robust, sealed metal containers of threaded construction, and offer a range of terminal finishes. Specifically designed for military, industrial, telecoms and medical applications, but especially suitable for use where fast rising transients are liable to be encountered.

- Capacitive values from 1500pF - 47nF
- Self healing capacitors
- Wide choice of performance options
- Superior pulse current capability
- Excellent temperature stability
- Wire or tag termination options

Mechanical Specifications

Manufacture: resin sealed metal containers

Connections: wire or tag terminations

Electrical Specifications

Rated voltage (V_R): see table

Category voltage (V_C): see table

Rated current (I_R): referred to room temperature = 40°C

Voltage test ($2_{S.}$): 1.6 V_R dc

Climatic category: (55/125/56;)

Temperature range: -55°C to +125°C

Case Variants

Style	Length (mm)		Wire dia.	Thread
	L1 max	L2 max	± 0.2mm	
1	6.1	8	1	5/16-24 UNF
2	6.1	12	1	5/16-24 UNF

Filter Range - AFCL060

(example pt no. - AFCL060115NJW1T)

Code	Max values IR(A) dc or rms	Rdc (mΩ)	C (pF) ± 20% at 1kHz	V_R dc	V_R ac rms	V_C dc	V_C ac rms	Typical Insertion loss (dB) (MHz) 1	10	30	100	400	Pulse capability V/us
115NJ-1-	10	6	1500	630	125	300	125	-	8	18	27	43	2000
150LJ-1-	10	6	5000	350	125	200	115	-	16	28	38	53	1200
210JJ-1-	10	6	10000	250	-	100	-	-	20	30	40	58	1200
227DJ-1-	10	6	27000	100	-	50	-	10	30	40	47	63	1200
115NJ-2-	10	6	1500	630	150	400	125	-	8	18	27	43	2000
130NJ-2-	10	6	3000	630	150	300	125	-	13	25	35	53	2000
210LJ-2-	10	6	10000	350	125	200	115	-	20	30	40	58	720
227JJ-2-	10	6	27000	250	-	100	-	10	28	36	45	63	720
247DJ-2-	10	6	47000	100	-	50	-	16	37	47	51	68	720

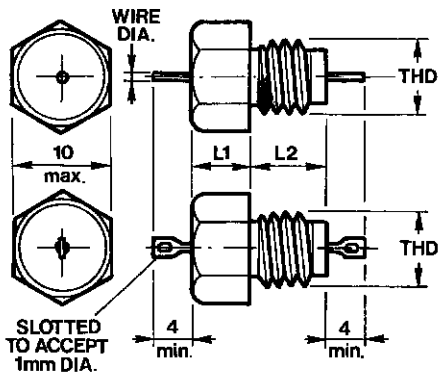
Case finish: T = Tin plated
S = Silver plated
G = Gold plated

Case style

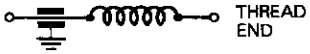
Termination: W = Wire
T = Tag

ac voltage ratings below 115V have not been specified.

Dimensions (mm) and connections



Circuit diagram (CLconfiguration)



Approvals

BS 9121 F0021 Meet MIL-F-15733 requirements