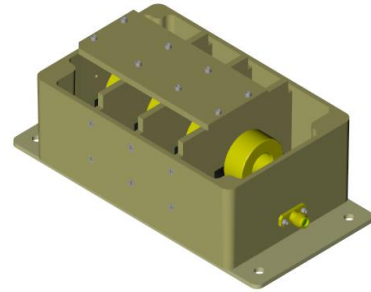


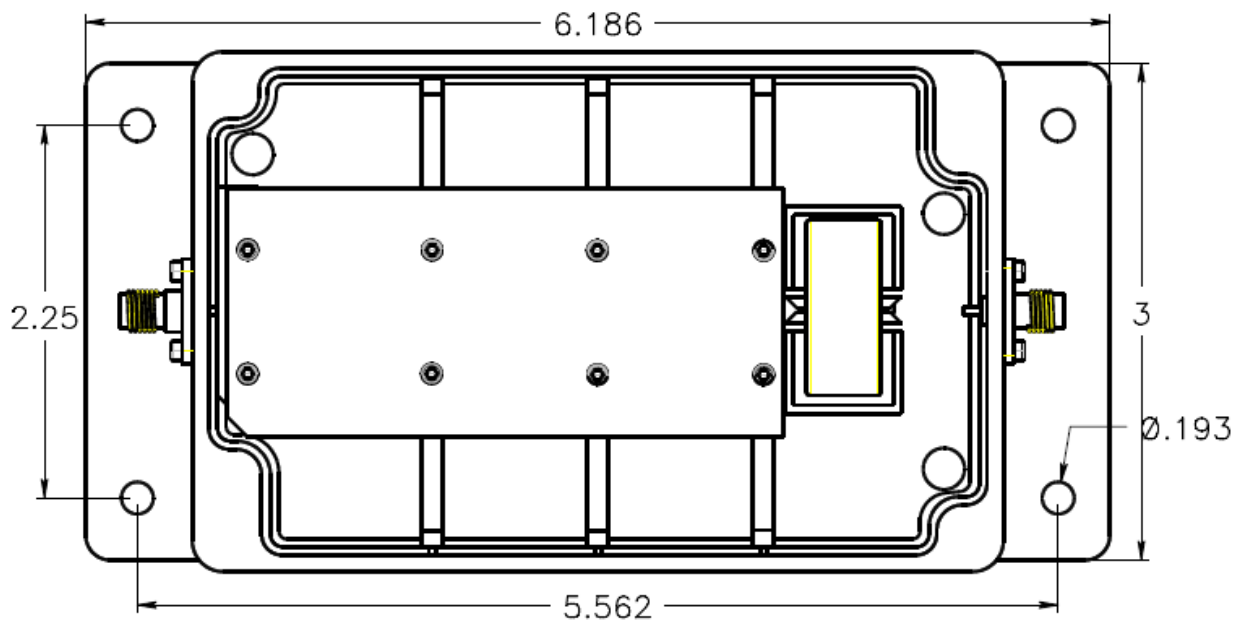
March 29, 2022

BASIC COMMON SPECIFICATIONS:

- Maximally Flat (Butterworth) 9th Order Response
- Return Loss 20 dB min over Passband
- Power Rating: 100W max Continuous
- Connectors: SMA, Gold Plated
- Mounting Bracket
- Impedance 50 Ohms
- Cast Aluminum NEMA 4 Rated Enclosure & Gasketed Cover
- Alodine Conversion Coat
- Coils Sealed with Q-Dope
- 18-8 Stainless Assembly Hardware
- Weight: 1.6 lbs



Part No	Insertion Loss dB	F-3dB (MHz)	F-60dB(MHZ)	F-100dB ()MHz)
FL5MLP-HFDR	0.25	6.4	13.8	23
FL9MLP-HFDR	0.29	11.25	24.25	40.6
FL13MLP-HFDR	0.3	16.25	35	58.7
FL16MLP-HFDR	0.3	19.7	42.5	71.3
FL25MLP-HFDR	0.3	30.5	65.7	110
FL26MLP-HFDR	0.53	31.7	67.8	114.5



Installation Drawing (Inches)

Notes:

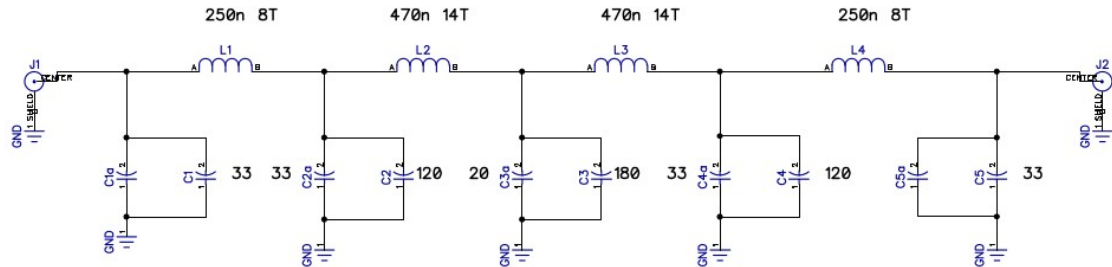
Inductors wound on T106-0 toroidal cores

#18AWG magnet wire

Connectors are gold plated two hole flange mount sma with extended dielectric and solder post

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
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DLW ASSOCIATES
6 WOODFORD PLACE
ST. CHARLES MO 63301
PH 314-537-6579
FAX 314-649-8989

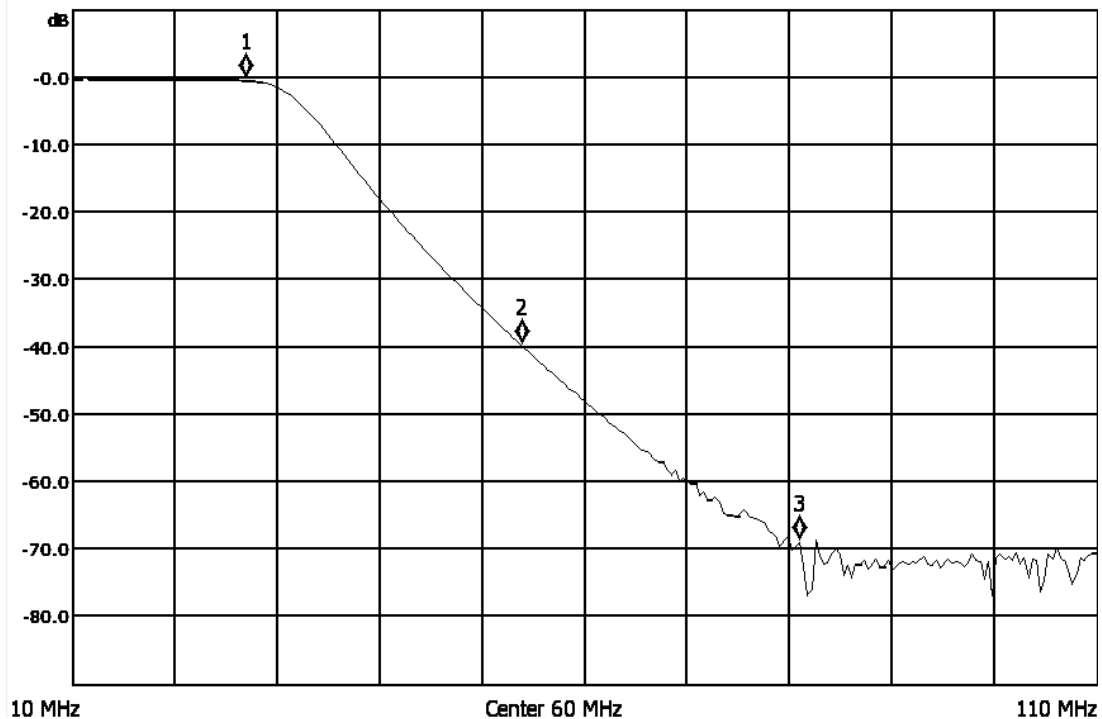
SCHEMATIC DIAGRAM

FILTER, LOW PASS 26 MHZ,
BUTTERWORTH -3dB = 31.8 MHZ

SIZE A	FSCM NO.	DWG NO. DSFL26MLP-HFDR	REVB
SCALE none		Sheet 1	

Normalized

MKR2: 53.921 MHz
-40.0 dB



Notes:

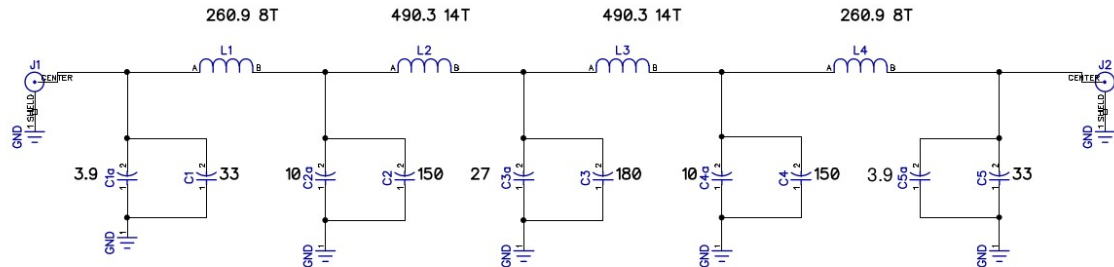
Inductors wound on T106-0 toroidal cores

#18AWG magnet wire

Connectors are gold plated two hole flange mount sma with extended dielectric and solder post

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED



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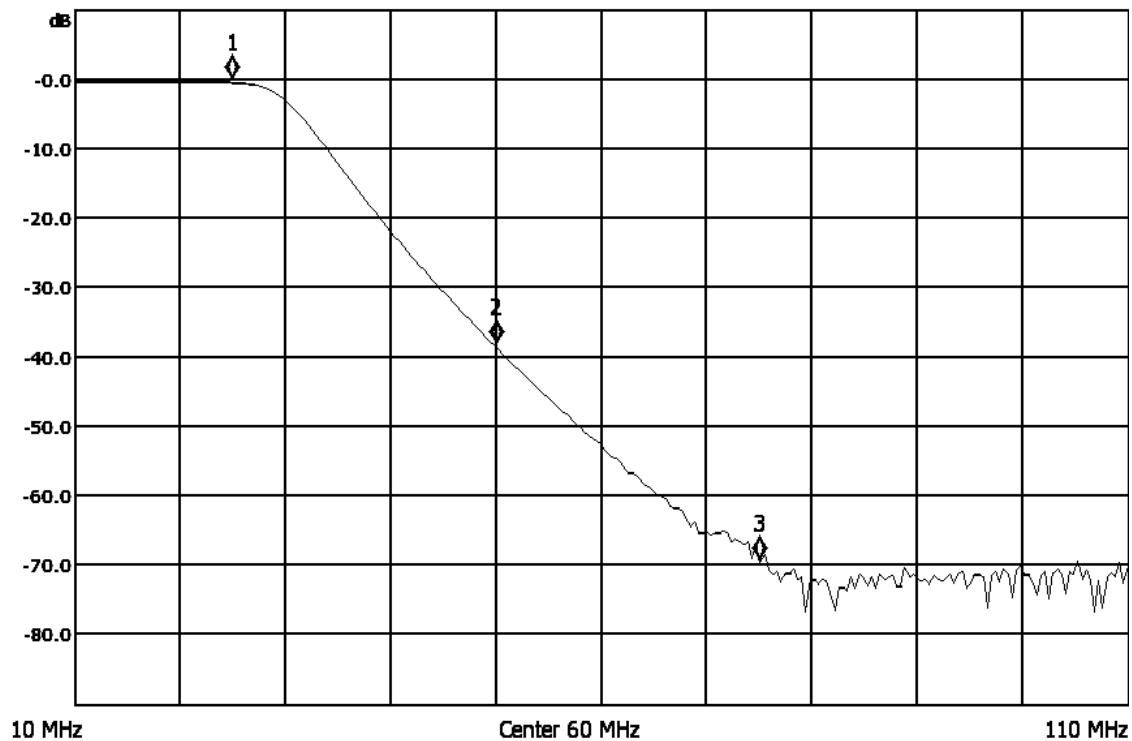
SCHEMATIC DIAGRAM

FILTER, LOW PASS 25 MHZ,
BUTTERWORTH -3dB = 30.5 MHZ

SIZE A	FSCM NO.	DWG NO. DSFL25MLP-HFDR	REVB
SCALE none		Sheet 1	

Normalized

MKR2: 50 MHz
-38.6 dB



Notes:

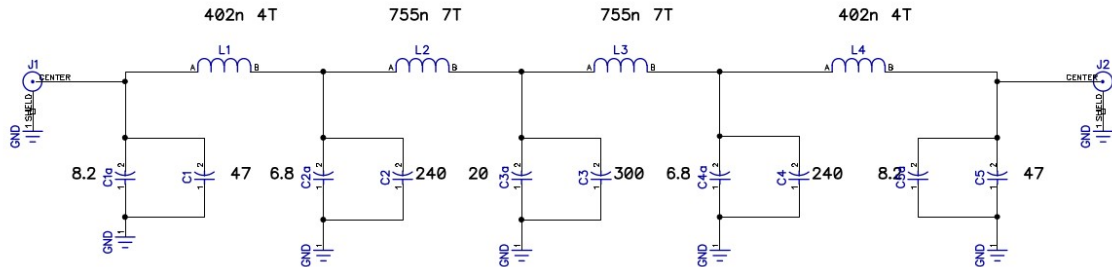
Inductors wound on T106-6 toroidal cores

#18AWG magnet wire

Connectors are gold plated two hole flange mount sma with extended dielectric and solder post

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
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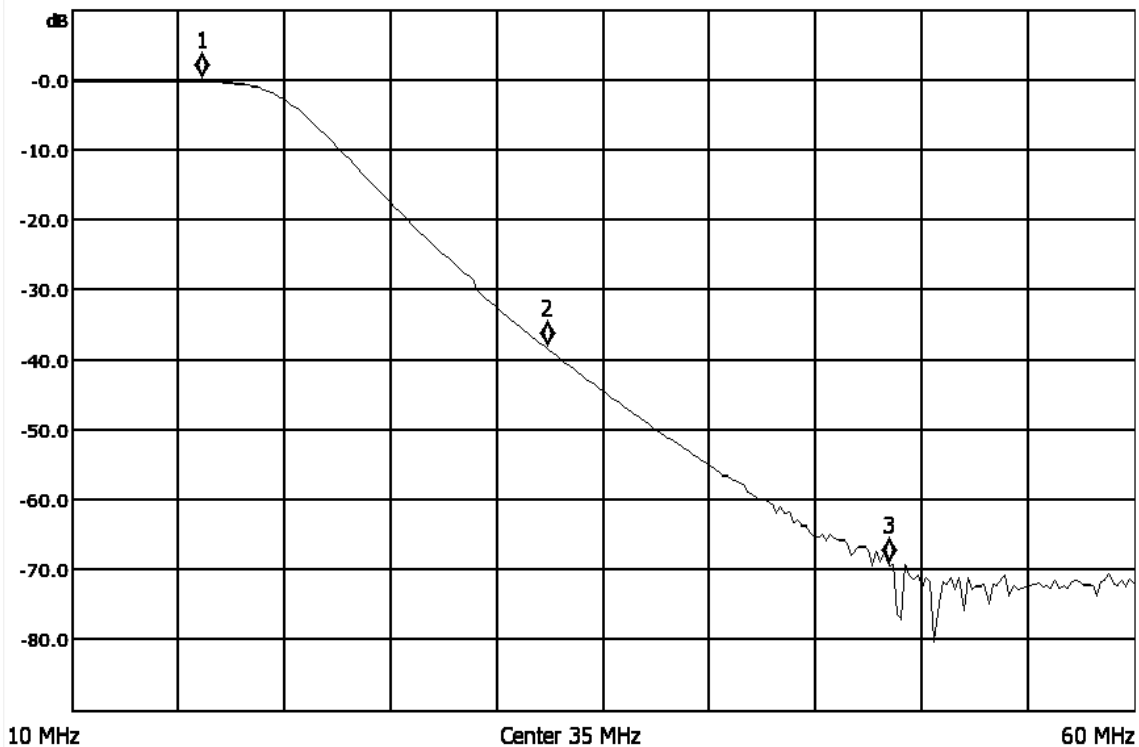
SCHEMATIC DIAGRAM

FILTER, LOW PASS 16 MHZ,
BUTTERWORTH -3dB = 19.8 MHZ

SIZE A	FSCM NO.	DWG NO. DSFL16LPUH	REV C
SCALE none		Sheet 1	

UnNormalized

MKR2: 32.352 MHz
-38.3 dB



Notes:

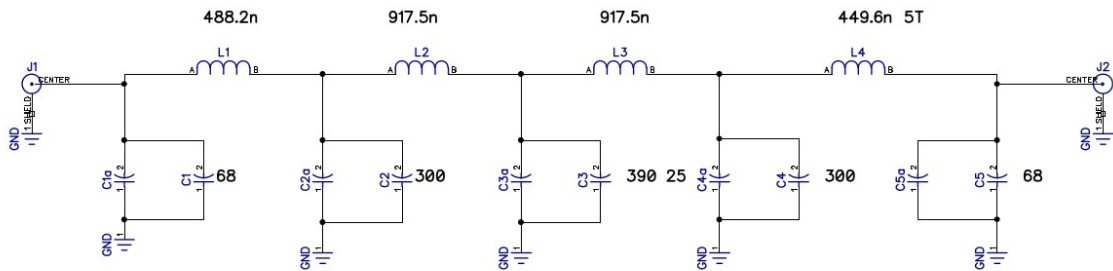
Inductors wound on T106-6 toroidal cores

#18AWG magnet wire

Connectors are gold plated two hole flange mount sma with extended dielectric and solder post

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
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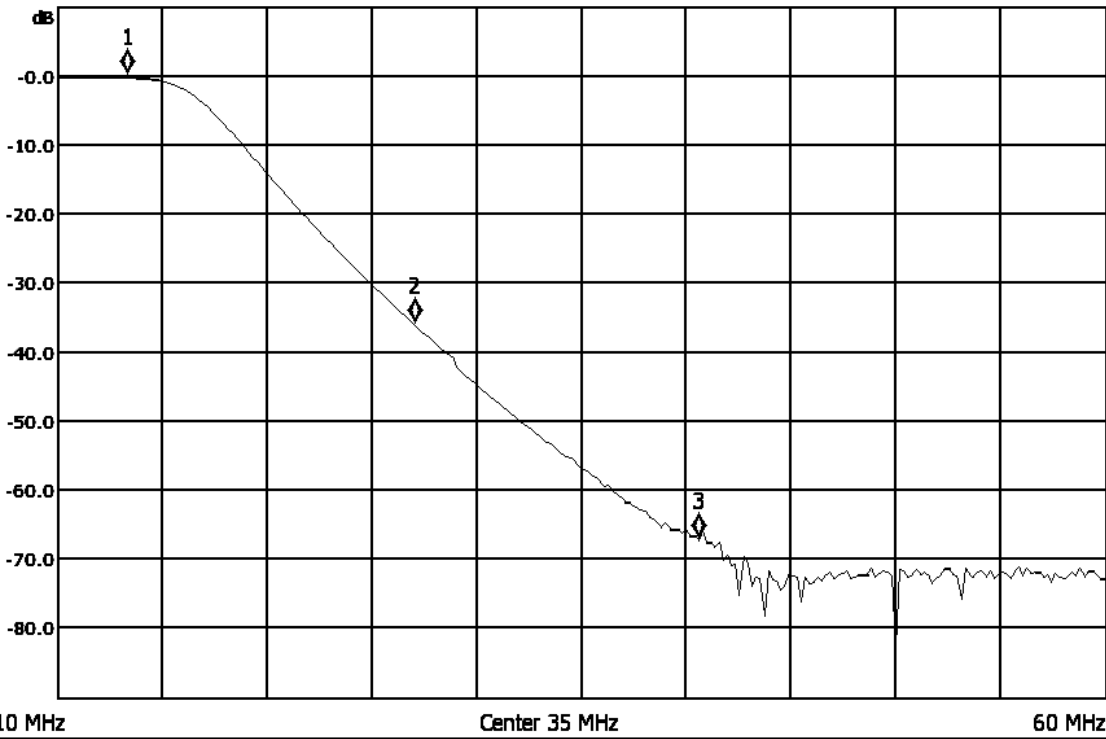
SCHEMATIC DIAGRAM

FILTER, LOW PASS 13 MHZ,
BUTTERWORTH -3dB = 16.3 MHZ

SIZE A	FSCM NO.	DWG NO. DSFL13MLP-HFDR	REV
SCALE none			Sheet 1

UnNormalized

MKR2: 27.058 MHz
-36.1 dB



Notes:

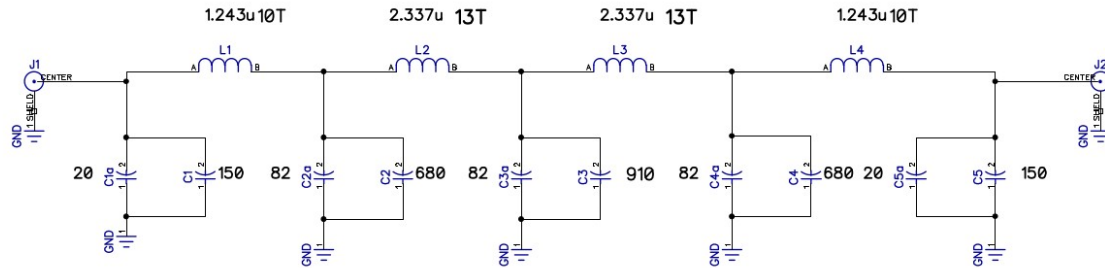
Inductors wound on T106-2 toroidal cores

#18AWG magnet wire

Connectors are gold plated two hole flange mount sma with extended dielectric and solder post

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
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SCHEMATIC DIAGRAM

FILTER, LOW PASS 5 MHZ,
BUTTERWORTH -3dB = 6.4 MHZ

SIZE A	FSCM NO.	DWG NO. DSFL5MLP-HFDR	REV C
SCALE none		Sheet 1	

UnNormalized

MKR2: 10.588 MHz
-38.9 dB

