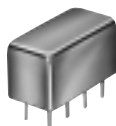


BANDPASS 10.7 to 70 MHz



PIF
PBP
PBLP



NIF
NBP
NBLP

constant impedance

MODEL NO.	CENTER FREQ. MHz	PASSBAND, MHz (loss < 1dB)	STOP BANDS		VSWR, 1.3:1, Typ. TOTAL BAND, MHz	CASE STYLE Note B	CONNECTION	PRICE \$ (note 2a) Qty. (1-9)
			(loss < 10 dB) at MHz	(loss > 20 dB) at MHz				
_IF-21.4	21.4	18-25	4.9 & 85	1.3 & 150	DC-220	▽	cs	14.95
_IF-30	30	25-35	7 & 120	1.9 & 210	DC-330	▽	cs	14.95
_IF-40	42	35-49	10 & 168	2.6 & 300	DC-400	▽	cs	14.95
_IF-50	50	41-58	11.5 & 200	3.1 & 350	DC-440	▽	cs	14.95
_IF-60	60	50-70	14 & 240	3.8 & 400	DC-500	▽	cs	14.95
_IF-70	70	58-82	16 & 280	4.4 & 490	DC-550	▽	cs	14.95

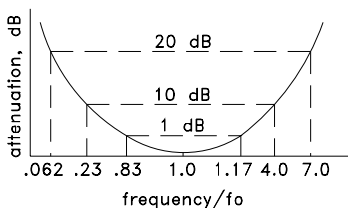
For connector selection, add prefix letter P, B, N or S to _IF where applicable (see note 2)

elliptic response

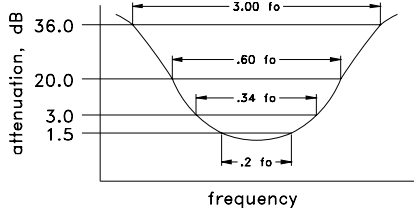
MODEL NO.	CENTER FREQ. MHz	PASSBAND, MHz I.L. 1.5 dB Max. MHz	3 dB BANDWIDTH Typical MHz	STOP BANDS		PASSBAND VSWR Max.	STOP BAND VSWR Typ.	CASE STYLE Note B	CONNECTION	PRICE \$ (note 2b) Qty. (1-9)
				(l. loss > 20 dB) at MHz	(l. loss > 35 dB) at MHz					
_BP-10.7	10.7	9.5-11.5	8.9-12.7	7.5 & 15	0.6 & 50-1000	1.7:1	16:1	▽	cr	18.95
_BP-21.4	21.4	19.2-23.6	17.9-25.3	15.5 & 29	3.0 & 80-1000	1.7:1	16:1	▽	cr	18.95
_BP-30	30	27.0-33.0	25-35	22 & 40	3.2 & 99-1000	1.7:1	16:1	▽	cr	18.95
_BP-60	60	55.0-67.0	49.8-70.5	44 & 79	4.6 & 190-1000	1.7:1	16:1	▽	cr	18.95
_BP-70	70	63.0-77.0	58.0-82.0	51 & 94	6.0 & 193-1000	1.7:1	16:1	▽	cr	18.95

For connector selection, add prefix letter P, B, N or S to _BP where applicable (see note 2)

BANDPASS, CONSTANT IMPEDANCE
TYPICAL FREQUENCY RESPONSE



BANDPASS, ELLIPTICAL
TYPICAL FREQUENCY RESPONSE



NSN GUIDE
MCL NO.
SIF-30

NSN
5915-01-464-8971

Low Pass, Flat Time Delay DC to 1.87 GHz

BBLP
BIF
BBP



SBLP
SIF
SBP



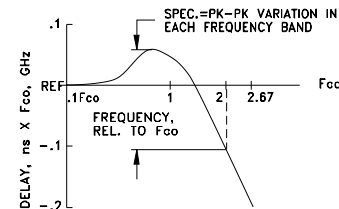
MODEL NO.	PASSBAND, MHz	fco, MHz	STOP BAND, MHz		VSWR		GROUP DELAY VARIATION, ns			CASE STYLE	CONNECTION	PRICE \$ (note 2c)
	(loss < 1.2 dB) Min.	(loss 3dB) Nom.	loss > 10 dB	loss > 20 dB	DC-0.2fco	DC-0.6fco	DC-fco	DC-2fco	DC-2.67fco	Note B		
_BLP-39	DC-23	39	78-117	117	1.3:1	2.3:1	0.70	4.0	5.00	▽	cr	19.95
_BLP-117	DC-65	117	234-312	312	1.3:1	2.4:1	0.35	1.4	1.90	▽	cr	19.95
_BLP-156	DC-94	156	312-416	416	1.3:1	1.1:1	0.30	1.1	1.50	▽	cr	19.95
_BLP-200	DC-120	200	400-534	534	1.6:1	1.9:1	0.40	1.3	1.60	▽	cr	19.95
_BLP-300	DC-180	300	600-801	801	1.25:1	2.2:1	0.20	0.6	0.80	▽	cr	19.95
_BLP-467	DC-280	467	934-1246	1246	1.25:1	2.2:1	0.15	0.4	0.55	▽	cr	19.95
▼ _BLP-933	DC-560	933	1866-2490	2490	2.2:1	2.2:1	0.09	0.2	0.28	▽	—	38.95
▼ _BLP-1870	DC-850	1870	3740-5000	5000	1.45:1	2.9:1	0.05	0.1	0.15	▽	—	38.95

For connector selection, add prefix letter P, B, N, or S to _BLP where applicable (see note 2)

features

- Flat group delay for low pulse distortion.
- Delay and selectivity are both controlled by design.
- Wide selection of cutoff frequencies, 48-to-1 range. Custom Fco values are available.
- Choice of pin package or connectorized models.

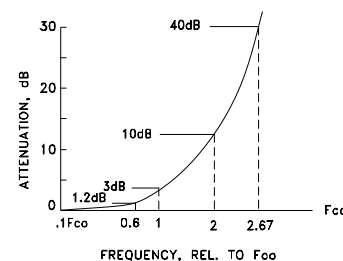
TYPICAL GROUP DELAY



NOTES:

- * Connection for plug-in models (PIF, PBP, PBLP)
- ▼ _BLP-933 AND _BLP-1870 available only with N and SMA connectors.
- ▽ Four different case styles available:
For plug-in models, case style A01
SMA connector models, case style FF99
BNC connector models, case style FF55
N-type connector models, case style FF57
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in section 0, see "Mini-Circuits Guarantees Quality" article.
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case styles & outline drawings".
- C. Prices and specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current rating:
1a. RF power, 0.5 Watt
2a. Price for PIF-series only, SIF \$38.95, BIF \$36.95, NIF \$39.95
2b. Price for PBP-series only, SBP \$42.95, BBP \$40.95, NBP \$43.95
2c. Price for PBLP-series only, SBLP \$38.95, BBLP \$36.95, NBLP \$39.95
- 3. Models are available with male/ female coax connectors, for other configurations and inter-series versions consult factory. See section 0, case styles and outline drawings.
- 4. All filters, except pin units (PIF, PBP and PBLP), are non-hermetic.

TYPICAL FREQUENCY RESPONSE
INSERTION LOSS



pin connections

see case style outline drawings

PORT	cr	CS
INPUT	1	1
OUTPUT	8	6
GND	2,3,4,5,6,7	2,3,4,5,7,8