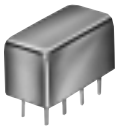
BANDPASS 10.7 to 70 MHz



PIF
PBP
PBLP

NIF
NBP
NBLP

constant impedance

MODEL NO.	CENTER FREQ. MHz	PASSBAND, MHz (loss < 1dB)	STOP BANDS (loss < 10 dB) at MHz	STOP BANDS (loss > 20 dB) at MHz	VSWR, 1.3:1, Typ. TOTAL BAND, MHz	CASE STYLE Note B	CONNECTION	PRICE $ (note 2a) Qty. (1-9)
_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

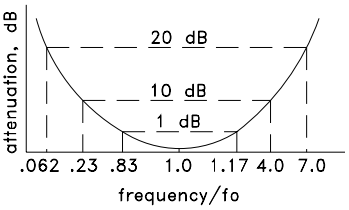
For connector selection, add prefix letter P, B, N or S to _IF where applicable (see note 2)

elliptic response

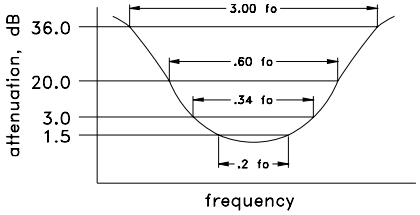
MODEL NO.	CENTER FREQ. MHz	PASSBAND, MHz I.L. 1.5 dB Max. MHz	3 dB BANDWIDTH Typical MHz	STOP BANDS (I. Loss > 20 dB) at MHz	STOP BANDS (I. loss > 35 dB) at MHz	PASSBAND VSWR Max.	STOP BAND VSWR Typ.	CASE STYLE Note B	CONNECTION	PRICE $ (note 2b) Qty. (1-9)
_BP-10.7	10.7	9.5-11.5	8.9-12.7	7.5 & 15	0.6 & 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.	NSN
SIF-30	5915-01-464-8971

000530

LOW PASS, FLAT TIME DELAY DC to 1.87 GHz

BBLP
BIF
BBP

SBLP
SIF
SBP

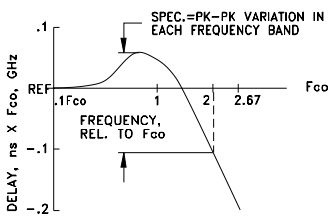
MODEL NO.	PASSBAND, MHz (loss < 1.2 dB) Min.	fco, MHz (loss 3dB) Nom.	STOP BAND, MHz loss > 10 dB	STOP BAND, MHz loss > 20 dB	VSWR DC-0.2fco $\bar{X}$	VSWR DC-0.6fco $\bar{X}$	GROUP DELAY VARIATION, ns DC-fco $\bar{X}$	GROUP DELAY VARIATION, ns DC-2fco $\bar{X}$	GROUP DELAY VARIATION, ns DC-2.67fco $\bar{X}$	CASE STYLE Note B	CONNECTION	PRICE $ (note 2c) Qty. (1-9)
_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	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.

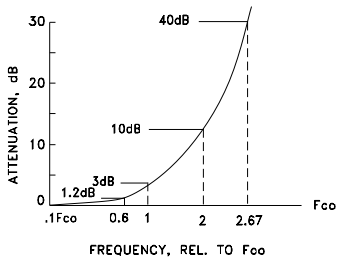
TYPICAL GROUP DELAY



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
2. 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

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