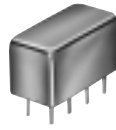


BANDPASS 10.7 to 70 MHz



PIF
PBP
PBLP



NIF
NBP
NBLP

constant impedance

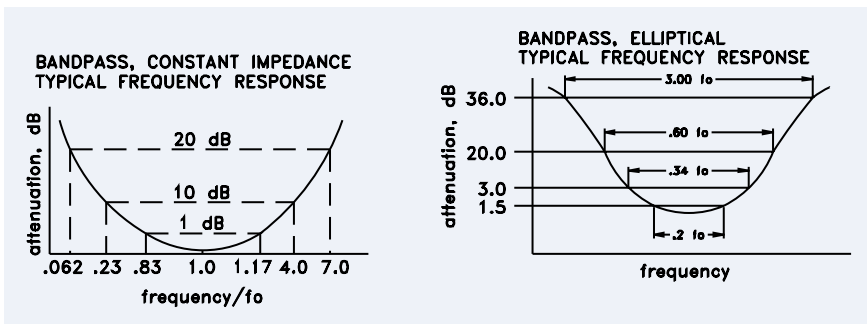
| MODEL NO. | CENTER FREQ. MHz | PASSBAND, MHz (loss < 1dB) | STOP BANDS | | VSWR, 1.3:1, Typ. TOTAL BAND, MHz | CASE STYLE Note B | CONNECTION | PRICE \$ (note 2a) Qty. (1-9) |
|-----------|------------------|-------------------------------|-----------------------|-----------------------|--------------------------------------|----------------------|------------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



NSN GUIDE
MCL NO. NSN
SIF-30 5915-01-464-8971

Coaxial

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 | | VSWR | | GROUP DELAY VARIATION, ns | | | CASE STYLE Note B | CONNECTION | PRICE \$ (note 2c) Qty. (1-9) |
|-------------|---------------------------------------|-----------------------------|----------------|--------------|-----------|-----------|---------------------------|---------|------------|----------------------|------------|-------------------------------------|
| | | | loss > 10 dB | loss > 20 dB | DC-0.2fco | DC-0.6fco | DC-fco | DC-2fco | DC-2.67fco | | | |
| _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 |

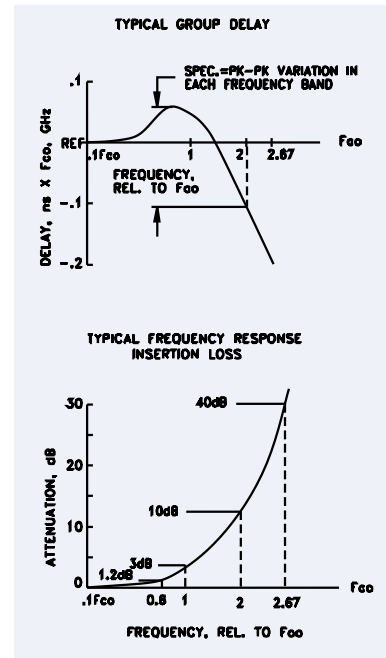
For connector selection, add prefix letter P, B, N, or S to _BLP where applicable (see note 2)

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.

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.



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 |



The Design Engineers Search Engine

Provides Actual Data Instantly
At: <http://www.minicircuits.com>

In Stock... Immediate Delivery

For Custom Versions Of Standard Models
Consult Our Applications Dept.

