



### ADVANTAGES

- Low insertion loss through band pass
- Greater than 50 db attenuation beyond cut-off frequency
- No spurious responses

#### USES

- Spectrum analyzer preselector

With signal generator or signal source in:

- Slotted line measurements
- Checking filter characteristics
- Determining response

#### DESCRIPTION

The Model 360 Low Pass Filters are designed to facilitate microwave measurements by eliminating harmonics generated by the signal source. Elimination of harmonics is important in making slotted-line measurements, in checking filter characteristics, in determining receiver response and in many other applications. These filters can also be used as preselectors with the 851A/8551A Spectrum Analyzer. As such they permit analysis of signals below the filter cutoff frequency without interference from higherfrequency signals.

## CIRCUIT

HEWLETT-PACKARD

1501 PAGE MILL ROAD

PALO ALTÓ, CALIFORNIA, U.S.A. CABLE: "HÉWPACK" TEL. (415) 326-7000

P 360 filters consist of a brass tube housing a multisection coaxial type filter. The ends are terminated in type N fittings, one male and one female. Attenuation in the pass band is less than 1 db; and attenuation in the rejection band is more than 50 db. There is no spurious response up to three times cut-off frequency.

COMPANY

54 ROUTE DES ACACIAS GENEVA, SWITZERLAND

CABLE: "NEWPACKSA" TEL, (022) 42.81.50



COMPLETE COVERAGE IN ELECTRONIC MEASURING EQUIPMENT

PRINTED IN U.E.A.

Page 2

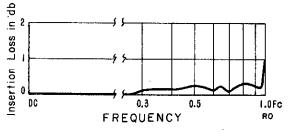
# SPECIFICATIONS

# CUT-OFF FREQUENCY:

360A	700 Mc			
360B	1200 Mc			
360C	2200 Mc			
360D	4100 Mc			

# ► INSERTION LOSS:

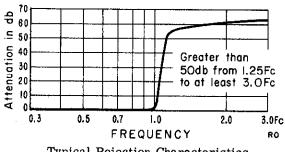
Not over 1 db below 0.9 times cut-off frequency



#### **Typical Bandpass Characteristics**

#### **REJECTION:**

50 db or more attenuation at 1.25 x cut-off frequency



Typical Rejection Characteristics

#### IMPEDANCE:

50 ohms through pass band. Should be matched for optimum performance.

STANDING WAVE RATIO: Less than 1.6 to within 100 Mc of cut-off for 360A and 360B, 200 Mc of cut-off for 360C, 300 Mc of cut-off for 360D.

### ► PHYSICAL CHARACTERISTICS

	Overall Length		O.D.	
Model	(in.)	(mm)	(in.)	(mm)
360A	10-7/8	276	5/8	16
360B	7-7/32	183	5/8	16
360C	10-25/32	274	5/8	16
360D	7-3/8	187	5/8	16

Distar		Center Line e N Connect	to End of Of or	fset,
Male Offset		Female Offset		
Model	(in.)	(mm)	(in.)	(mm)
360A 360B	2-1/8 2-1/8	54 54	2-1/4 2-1/4	57 57

#### ► SHIPPING WEIGHT:

Approximately 2 lbs. (0,9 kg)

#### PRICE:

🖗 Model 36(	OA Low Pass	Filter, 700	Mc - \$70.00
🕼 Model 360	B Low Pass	Filter, 1200	Mc - \$60.00
🖗 Model 36(	C Low Pass	Filter, 2200	Mc - \$50.00
🖗 Model 36(	DD Low Pass	Filter, 4100	Mc - \$50.00

#### Prices f. o. b. factory

DATA SUBJECT TO CHANGE WITHOUT NOTICE ► Indicates change from prior specifications.

5/12/64 10/15/64

