



Pascall's Quality System
Is Registered Under
BS EN ISO 9001



PM 13274
BS EN ISO 9001

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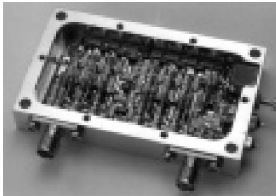
Pascall

WIRELESS COMMS

MINIATURE LOG AMPLIFIERS

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MSDB SERIES



Model No. MSDB	Centre Freq. MHz	Bandwidth MHz	Dynamic Range dB	Rise Time nsec	Fall Time nsec
MSDB/Series (Linearity ± 1.0dB)					
MSDB-1002	10	2	70	500	1000
MSDB-2005	20	5	70	200	500
MSDB-3010	30	10	70	100	250
MSDB-3010	30	10	70	90	230
MSDB-6020	60	20	70	45	120
MSDB-7010	70	10	70	90	230
MSDB-7020	70	20	70	45	120
MSDB-7040	70	40	70	30	90
MSDB-12020	120	20	60	45	120
MSDB-12040	120	40	60	30	60
MSDB-16040	160	40	60	30	60
MSDB-16080	160	80	60	20	40

Linearity is defined as the deviation from the best fit straight line to the measured data.
All the above parameters are specified @ +25°C.

Additional Specifications

Linearity, max deviations	MSDB
@ Centre Frequency and +25°C	± 1 dB, 0.7dB Typ.
Over 0°C to +60°C	± 1.5 dB
Over -45°C to +85°C	± 2.0 dB
Log slope	25mV/dB nominal
Max. variation with temperature:	
0°C to +60°C	$\pm 3\%$
-45°C to +85°C	$\pm 5\%$
Video output DC coupled into 100 ohms.	
Output range	1.75V(Nom.)
Offset adjust	± 100 mV
Max offset change with temperature	
0°C to +60°C	± 20 mV
-45°C to +85°C	± 40 mV
Limited IF Output	
Into 50 ohms	0dBm ± 2 dB
Input VSWR	1.5:1
Power requirements, ± 12 V or ± 15 V	+ve 60mA max +ve 85 mA max
Weight	65g max

Optional Features

- Limited I.F. Output
- Log slope in the range 15-40 mV/dB
- ± 12 V or ± 15 V supply voltage
- Extended temperature range, -55°C to 100°C
- Matched pairs at 25°C, ± 1 dB
- SMA, SMB or SMC connectors

DIMENSIONS in mm. **FINISH** Bright tin, generally in accordance with MIL-T-10727 Type 1 Bright.

