

Wideband Amplifiers

MULTI-PURPOSE
WIDEBAND AMPLIFIERSFOR RADAR, EW, COMMUNICATIONS
AND TEST EQUIPMENT

SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN MIN (dB)	GAIN MAX (dB)	NOISE FIGURE TYP/MAX (dB)	P1dB MIN (dBm)	GAIN FLATNESS MAX ($\pm$ dB)	IP3 TYP (dBm)	VSWR 50 OHMS I/O TYP	CURRENT @ 12 Vdc MAX (mA)	CASE OPTIONS
DBS-0112N210	0.5-12.0	20	26	5.5/5.6	10	1.5	20	2.0/2.0	270	2I
DBS-0218N208	2.0-18.0	22	27	3.0/3.5	8	1.75	18	2.0/2.0	160	2I
DBS-0218N623	2.0-18.0	30	36	4.5/5.0	23	1.75	31	2.0/2.0	900	4I
DBS-0218N625	2.0-18.0	38	45	4.5/5.0	25	1.75	33	2.0/2.0	1600	6I

All above-mentioned amplifiers include the following: Internal voltage internal regulator with input voltage of +11.8 Vdc to +15.5 Vdc. Maximum RF input power is 20 dBm (CW) or 30 dBm pulse, 1 microsecond and 1% duty cycle.

OUTLINE DRAWING

CASE	"A" DIM	"B" DIM
DBX-2I	1.250	.750
DBX-4I	1.750	1.250
DBX-6I	2.250	1.750
DBX-8I	2.750	2.250
DBX-10I	3.250	2.750

- NOTES:
1. ALL DIMENSIONS ARE IN INCHES.
 2. TOLERANCE: .XX = $\pm .02$
.XXX = $\pm .010$
 3. ALL TOLERANCES APPLY BEFORE PAINT & LABELING.
 4. RF CONNECTORS ARE SMA FEMALE.

