

Power Amplifiers

MULTI-PURPOSE POWER AMPLIFIERS

FOR EW, ECM, COMMUNICATIONS,
AND TEST EQUIPMENT



SPECIFICATIONS

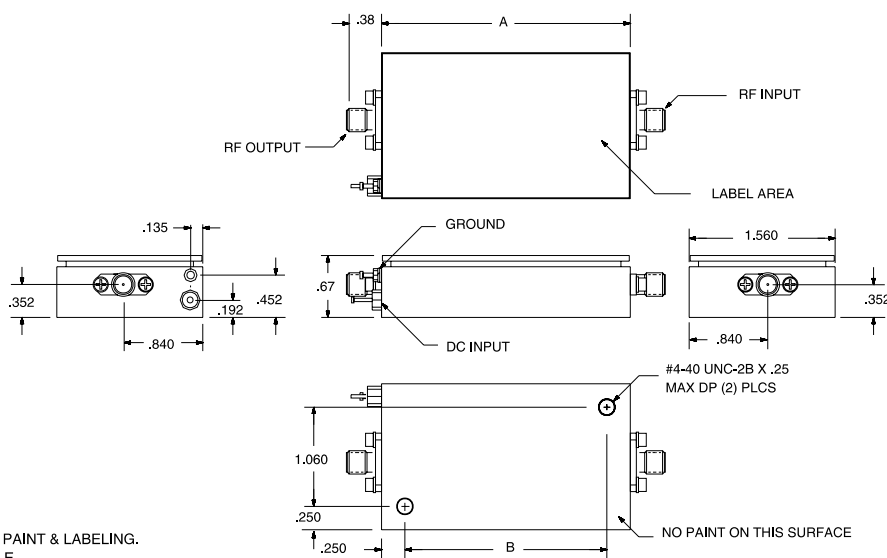
MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN MIN (dB)	GAIN MAX (dB)	NOISE FIGURE TYP/MAX (dB)	P1dB MIN (dBm)	GAIN FLATNESS MAX ($\pm$ dB)	IP3 TYP (dBm)	VSWR 50 OHMS I/O TYP	CURRENT @ 12 Vdc MAX (mA)	CASE OPTIONS
DBP-0102N533	0.5-2.0	40	50	4.5/5.5	33	2.0	43	2.2/2.2	1400	4P
DBP-0206N533	2.0-6.0	30	38	6.0/7.0	33	2.0	43	2.2/2.2	1200	4P
DBP-0612N633	6.0-12.0**	30	35	4.5/5.0	33	1.5	41	2.0/2.0	2000 TYP	7P
DBP-0618N630	6.0-18.0	22	30	7.5/8.0	30	2.0	40	2.0/2.0	1800 TYP	7P
DBP-0812N733	8.0-12.0**	40	46	6.0/6.5	33	2.0	43	2.0/2.0	2200 TYP	7P
DBP-0218N427	2.0-18.0	30	36	4.5/5.0	27	2.0	35	2.0/2.0	1800 TYP	7P

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.

These amplifiers are also offered with temperature compensation and a variety of gain boxes under special request.

**Above mentioned amplifiers are specified over any 1.0 GHz BW only, (specified by the customer).

OUTLINE DRAWING



CASE	"A" DIM	"B" DIM
DBX-4P	2.158	1.658
DBX-7P	2.908	2.408

NOTES:

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

Power Amplifiers



MULTI-PURPOSE POWER AMPLIFIERS

FOR EW, RADAR AND TEST EQUIPMENT

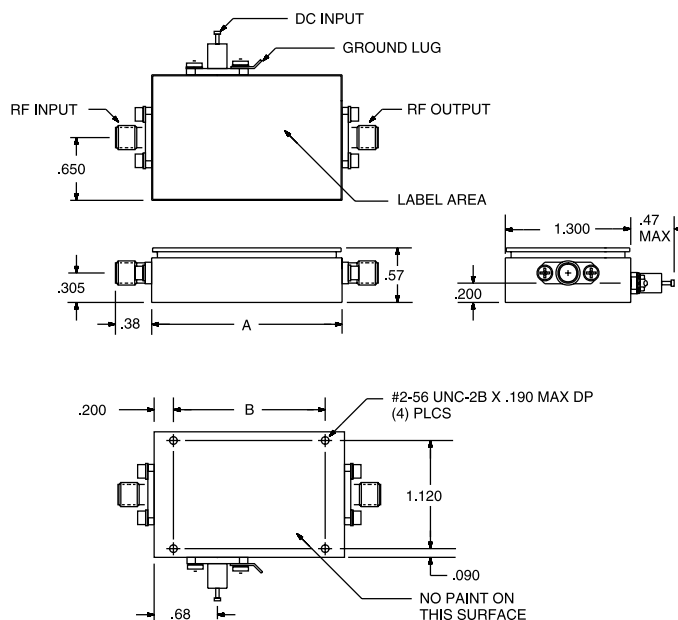
SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN MIN (dB)	GAIN MAX (dB)	NOISE FIGURE TYP/MAX (dB)	Psat MIN (dBm)	GAIN FLATNESS MAX ($\pm$ dB)	IP3 TYP (dBm)	VSWR 50 OHMS I/O TYP	CURRENT @ 12 Vdc MAX (mA)	CASE OPTIONS
DBP-1826N827	18.0-26.5	27	35	6.0/7.0	27 P1dB	1.75	37	2.2/2.2	2200	DBK-6P
DBP-2640N626	26.5-40.0	26	35	8.0/9.0	26	2.5	N/A	2.5/2.5	2200	DBK-6P
DBP-1840N824	18.0-40.0	25	33	8.0/9.0	24	2.5	N/A	3.0/3.0	2200	DBK-6P
DBP-3238N727	32.0-38.0**	28	35	6.5/7.0	27	1.5	N/A	2.2/2.2	2200	DBK-6P
DBP-2631N730	26.0-31.5**	30	35	6.0/6.5	30 P1dB	1.5	40	2.2/2.2	2500	DBK-6P

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.

** Over any 500 MHz bandwidth.

OUTLINE DRAWING



CASE	A DIM	B DIM
DBK-6P	1.973	1.573
DBK-8P	2.371	1.971

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