

## HP/Avantek 2-18GHz Power Amplifier Replacements

### DPT-4000's/6000's/8000's/10500's/12000's/18600's Series

HP/Avantek 2-18GHz Power Amplifier Replacements without Temperature Compensation											
Guaranteed @ 0 to +50 C	DBS Model Number	Frequency Response (GHz) Min.	Gain (dB) Min.	Gain (dB) Max.	Noise Figure (dB) Max.	PI dB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @15Vdc (mA) Typ.	Case*  DBX-
	DPT-4063	2-4	28	38	4.5	30	1.5	37	2.0/2.0	900	4I
	DPT-4064	2-4	39	49	4.5	30	1.5	37	2.0/2.0	1050	4I
	DPT-4074	2-4	33	43	4.5	33	1.5	40	2.0/2.0	1800	4P
	DPT-6065	2-6	35	45	5.5	30	1.5	37	2.0/2.0	1350	6I
	DPT-6077	2-6	40	50	6.0	33	1.5	40	2.0/2.0	2300	4P
	DPT-8255	2-8	30	40	6.0	27	2.0	34	2.0/2.0	800	6I
	DPT-8266	2-8	35	45	7.0	30	2.0	37	2.0/2.0	1300	6I
	DPT-8056	4-8	35	45	5.5	29	1.5	36	2.0/2.0	1500	6I
	DPT-8066	4-8	35	45	5.5	30	1.5	37	2.0/2.0	1500	6I
	DPT-8076	4-8	30	40	7.5	33	2.0	40	2.0/2.0	2500	4P
	DPT-8465	7.9-8.4	30	40	7.0	30	1.0	37	2.0/2.0	1200	6I
	DPT-10555	4.5-10.5	34	44	5.0	26	1.5	33	2.0/2.0	800	6I
	DPT-10566	4.5-10.5	29	40	8.0	30	2.0	38	2.0/2.0	1500	6I
	DPT-12057	6-12	37	47	6.0	26	1.5	33	2.0/2.0	1100	6I
	DPT-12066	6-12	28	39	8.0	30	1.5	37	2.0/2.0	2500	6I
	DPT-18646	6-18	20	30	10	23	2.0	30	2.0/2.0	900	4I
	DPT-18649	6-18	35	45	8	23	2.0	30	2.0/2.0	1400	6I
	DPT-18656	6-18	18	28	13	27	2.0	33	2.0/2.0	1300	4I
	DPT-18659	6-18	36	46	8.5	27	2.0	33	2.0/2.0	1400	6I
	DPT-18-2722	6-18	22	32	9	27	2.0	34	2.0/2.0	1300	4I
	DPT-18-2730	6-18	30	40	8	27	2.0	34	2.0/2.0	1500	6I
	DPT-18-2735	6-18	35	45	8	27	2.0	34	2.0/2.0	1500	6I
	DPT-18-2726	6-18	26	37	13	30	2.0	36	2.0/2.0	2500	7P
	DPT-18-2732	6-18	32	44	10	30	2.0	36	2.0/2.0	2500	7P
	DPT-18-2738	6-18	38	51	10	30	2.0	36	2.0/2.0	2500	7P
	DPT-18615	6-18	26	37	13	30	2.0	36	2.0/2.0	2500	7P
	DPT-18616	6-18	32	44	10	30	2.0	36	2.0/2.0	2500	7P
	DPT-18617	6-18	38	51	10	30	2.0	36	2.0/2.0	2500	7P

Notes:

1. All above mentioned amplifiers include internal voltage regulator with input voltage of +11.5Vdc to +15.5Vdc.
2. Maximum RF input power is 20dBm (CW) or 30dBm pulse, 1micro second and 1% duty cycle.
3. All above mentioned amplifiers are also offered with **temperature compensation** and a variety of gain boxes under special request.

\* Case drawings for various case options are contained in this catalog. (maybe different from HP/Avantek dimensions)