

APPLICATION NOTE AN-60-107

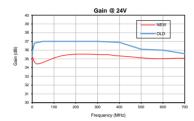
ZPUL-30P+ vs ZPUL-30P

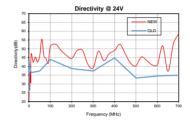
The new Catalog model ZPUL-30P+ designed to replace the old one ZPUL-30P due to the RoHS version and EOL of the output transistor. Case Style S32 is not changed

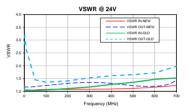
Typical Performance Data

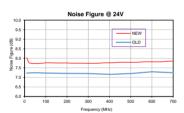
FREQUENCY	GAIN (dB)		DIRECTIVITY (dB)		VSWR (:1)				NOISE FIGURE (dB)		POUT @ 1 dB COMPRESSION (dBm)		OUTPUT IP3 (dBm)	
(MHz)	NEW 24V	OLD 24V	NEW 24V	OLD 24V	IN (NEW) 24V	OUT (NEW) 24V	IN (OLD) 24V	OUT (OLD) 24V	NEW 24V	OLD 24V	NEW 24V	OLD 24V	NEW 24V	OLD 24V
0.0025	35.6	35.7	31.2	31.30	1.33	1.23	1.18	2.90						-
0.01	35.1	35.6	25.9	24.83	1.08	1.08	1.06	2.85						-
0.05	35.0	35.5	28.0	30.45	1.06	1.06	1.02	3.05						-
0.10	35.0	35.4	22.4	32.68	1.02	1.05	1.02	3.10						-
0.20	35.1	35.4	24.6	38.52	1.02	1.10	1.01	3.10						-
1.00	35.2	35.5	28.0	43.08	1.02	1.15	1.01	3.18						-
2.00	35.1	36.0	27.6	41.90	1.03	1.15	1.04	3.17					36.6	-
10.00	34.6	36.8	47.0	36.43	1.03	1.17	1.05	2.60	8.04	7.23	22.7	27.1	37.9	-
50.00	34.6	37.0	45.8	37.37	1.06	1.19	1.04	1.45	7.79	7.24	25.5	25.3	38.0	-
100.00	35.1	37.0	51.3	43.92	1.08	1.23	1.06	1.36	7.81	7.23	25.5	25.3	37.4	-
200.00	35.5	37.0	44.6	38.72	1.08	1.31	1.11	1.41	7.82	7.21	25.0	25.0	37.4	-
300.00	35.5	37.0	39.1	37.33	1.08	1.35	1.17	1.53	7.81	7.20	24.5	24.7	36.4	-
400.00	35.3	36.9	49.0	44.85	1.09	1.31	1.27	1.61	7.82	7.16	24.0	24.2	36.8	-
500.00	35.1	36.1	40.3	33.38	1.12	1.22	1.35	1.65	7.82	7.20	23.8	23.2	36.2	-
600.00	35.0	36.0	40.8	34.50	1.16	1.20	1.47	1.72	7.85	7.29	23.7	22.0	35.3	-
700.00	35.1	35.6	58.6	35.00	1.23	1.44	1.52	1.98	7.86	7.24	22.7	21.0	33.9	-

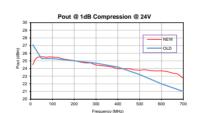
Typical performance graphs













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