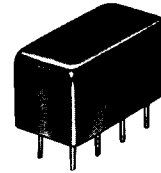


6 to 20 dBm 10 kHz to 900 MHz Minimum Δ Phase

PLS



MODEL NO.	FREQUENCY MHz		INPUT dBm		*OUTPUT dBm	CONTROL CURRENT (mA)	LIMITING			CAPD DATA	CASE STYLE	PRICE \$
	F _L	F _H	Min.	Max.	Typ.	Typ.	Input range, dBm	Δ Output/ Δ 1dB Input	amp, dB	phase, deg.	Page	
PLS-1	0.1 - 150		6	20	- 4.0	3	6 to 10		0.10	0.8	10-3	dm
							10 to 16		0.15	0.8		
							16 to 20		0.15	0.7		
PLS-2	100 - 900		3	15	- 5.0	5	3 to 8		0.20	2.0	10-3	dn
							8 to 12		0.40	2.0		
							12 to 15		0.40	2.0		
PLS-6	0.01 - 1		6	20	- 0.5	5	6 to 10		0.20	1.0	10-2	dp
							10 to 16		0.10	1.0		
							16 to 20		0.20	1.5		

NOTES:

- * Typical output level at typical control current, level may be changed by varying current.
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel, MIL and TX description are given in General Information (section 0).
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case Styles & Outline Drawings".
- C. Prices and specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current rating:
 - 1a. RF input power, 100mW
 - 1b. Control current, 10mA

NSN GUIDE

MCL NO.	NSN
PLS-1	5895-01-105-7820
PLS-2	5895-01-390-0151
PLS-6	5820-01-249-8320

pin connections

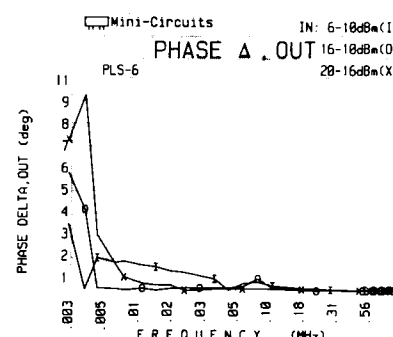
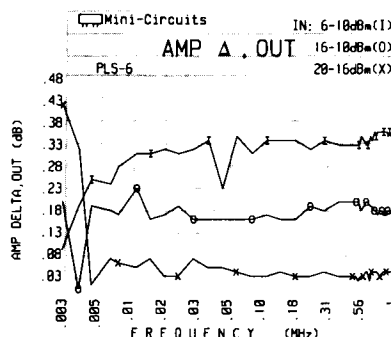
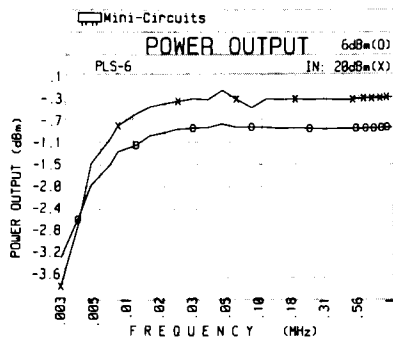
see case style outline drawings

PORT	dm	dn	dp
INPUT	1	1	1
OUTPUT	8	8	8
CONTROL	3,4 ^	3,4 ^	3,4
GND EXT.	2,5,6,7	2,5,6,7	2,5,6,7
CASE GND	2	2,5,6,7	—

^ pins must be connected together externally

PLS-6

0.003 to 1 MHz



FREQ. (MHz)	POWER OUTPUT		DELTA (dB)	AMPLITUDE DELTA, out dBm Input			PHASE DELTA, out dBm Input		
	(20dBm IN) (dBm)	(6dBm IN) (dBm)		20-16 (dB)	16-10 (dB)	10-6 (dB)	20-16 (deg)	16-10 (deg)	10-6 (deg)
0.003	-3.87	-3.32	0.55	0.42	0.20	0.09	7.57	5.89	3.33
0.005	-1.52	-1.94	0.43	0.01	0.19	0.25	2.78	0.14	1.64
0.008	-0.79	-1.29	0.50	0.06	0.17	0.28	0.69	0.05	1.47
0.014	-0.43	-0.98	0.56	0.07	0.16	0.31	0.30	0.04	1.20
0.023	-0.32	-0.85	0.53	0.03	0.19	0.31	0.03	0.16	0.92
0.050	-0.11	-0.75	0.64	0.05	0.16	0.23	0.10	0.17	0.05
0.084	-0.44	-0.81	0.37	0.03	0.16	0.31	0.10	0.60	0.44
0.139	-0.28	-0.83	0.55	0.04	0.16	0.34	0.07	0.07	0.19
0.234	-0.28	-0.83	0.55	0.03	0.19	0.32	0.09	0.00	0.09
0.390	-0.28	-0.83	0.56	0.03	0.20	0.33	0.01	0.04	0.04
0.529	-0.26	-0.82	0.57	0.03	0.20	0.33	0.00	0.00	0.04
0.577	-0.26	-0.83	0.57	0.03	0.18	0.35	0.02	0.01	0.04
0.629	-0.25	-0.82	0.57	0.04	0.20	0.33	0.07	0.02	0.04
0.677	-0.25	-0.82	0.57	0.02	0.19	0.35	0.02	0.02	0.04
0.728	-0.25	-0.82	0.57	0.04	0.18	0.36	0.02	0.01	0.03
0.806	-0.24	-0.82	0.58	0.03	0.18	0.36	0.02	0.04	0.04
0.853	-0.24	-0.81	0.58	0.04	0.17	0.36	0.04	0.03	0.05
0.905	-0.23	-0.81	0.58	0.04	0.17	0.36	0.04	0.01	0.03
0.946	-0.23	-0.81	0.58	0.04	0.18	0.36	0.02	0.03	0.03
1.000	-0.23	-0.81	0.58	0.04	0.17	0.36	0.04	0.02	0.03

Data taken @ control current 5mA



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