

Plug-In Limiter

50Ω Broadband, 100 to 900 MHz

PLS-2+
PLS-2



CASE STYLE: A01
PRICE: \$25.20 ea. QTY. (1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Input Power	100mW
Control Current	10mA

Pin Connections

INPUT	1
OUTPUT	8
CONTROL	3,4^
GROUND	2,5,6,7
CASE GROUND	2,5,6,7

^ pins must be connected together externally

Features

- wideband, 100 to 900 MHz
- very small phase variation
- hermetic shielded case

Applications

- military, hi-rel applications
- stabilizing generator outputs
- reducing amplitude variations
- providing constant amplitude signals in phase sensitive systems

Limiter Electrical Specifications

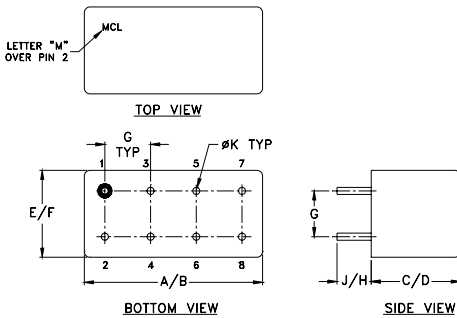
FREQUENCY (MHz)	INPUT POWER (dBm)		OUTPUT* POWER (dBm)	CONTROL CURRENT (mA)	LIMITING		
	Min.	Max.			Typ.	Input range dBm	amp
100-900	3.0	15	-5.0	5.0	3 to 8	0.20	2.0
					8 to 12	0.40	2.0
					12 to 15	0.40	2.0

* Typical output level at typical control current, level may be changed by varying current.

Typical Performance Data

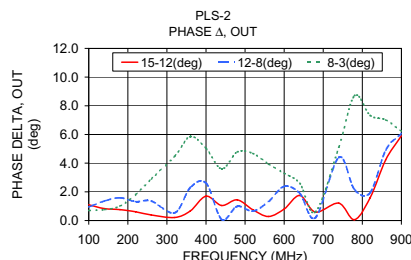
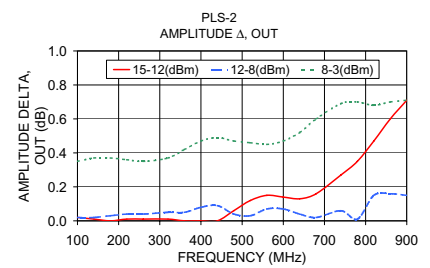
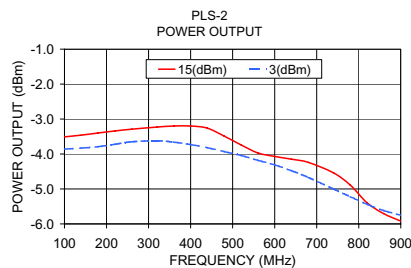
Frequency (MHz)	Power Output		Delta (dB)	Amplitude Delta, out dBm Input			Phase Delta, Out dBm Input		
	(15 dBm IN) (dBm)	(3 dBm IN) (dBm)		15-12 (dB)	12-8 (dB)	8-3 (dB)	15-12 (deg.)	12-8 (deg.)	8-3 (deg.)
100.00	-3.51	-3.86	0.35	0.02	0.02	0.35	1.10	0.94	0.70
140.00	-3.46	-3.83	0.37	0.01	0.02	0.37	0.83	1.36	0.76
180.00	-3.40	-3.79	0.38	0.00	0.03	0.37	0.76	1.59	1.01
220.00	-3.34	-3.72	0.38	0.01	0.04	0.36	0.61	1.32	1.81
260.00	-3.29	-3.65	0.36	0.01	0.04	0.35	0.39	1.36	2.90
320.00	-3.23	-3.62	0.39	0.01	0.05	0.37	0.21	0.54	4.48
360.00	-3.20	-3.66	0.46	0.00	0.05	0.42	0.67	2.30	5.85
400.00	-3.20	-3.73	0.53	0.00	0.08	0.47	1.70	2.61	5.03
440.00	-3.26	-3.82	0.56	0.00	0.09	0.49	1.05	0.08	3.60
480.00	-3.49	-3.93	0.44	0.06	0.04	0.47	1.44	0.99	4.78
520.00	-3.74	-4.04	0.30	0.12	0.03	0.46	0.75	0.66	4.68
560.00	-3.97	-4.18	0.21	0.15	0.07	0.45	0.28	1.32	3.94
600.00	-4.07	-4.31	0.25	0.14	0.07	0.47	0.80	2.38	3.30
640.00	-4.15	-4.48	0.33	0.13	0.04	0.52	1.75	1.89	2.59
680.00	-4.24	-4.67	0.43	0.16	0.02	0.60	0.59	0.20	0.60
740.00	-4.54	-5.00	0.46	0.27	0.06	0.69	1.21	4.40	5.11
780.00	-4.89	-5.22	0.33	0.35	0.01	0.70	0.06	2.16	8.70
820.00	-5.40	-5.44	0.04	0.47	0.15	0.68	1.59	1.94	7.33
860.00	-5.71	-5.62	0.09	0.60	0.16	0.70	4.24	4.91	7.02
900.00	-5.92	-5.75	0.17	0.71	0.15	0.71	5.90	6.07	6.23

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K		wt
.200	.20	.14	.031		grams
5.08	5.08	3.56	0.79		5.2



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