

Plug-In Limiter

50Ω Broadband, 100 to 900 MHz

Maximum Ratings

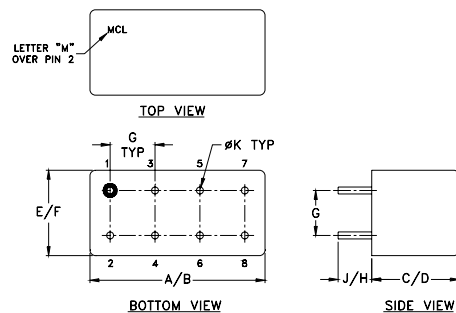
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Input Power	100mW
Control Current	10mA
Permanent damage may occur if any of these limits are exceeded.	

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

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

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

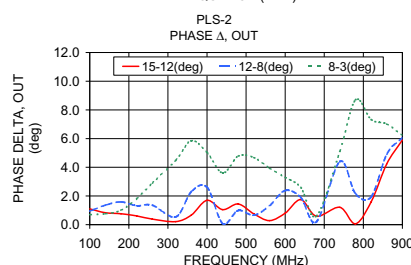
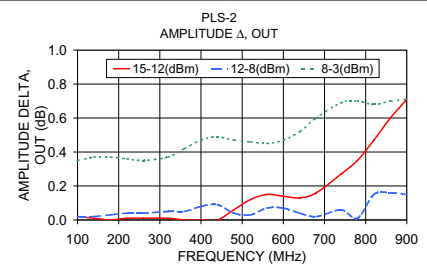
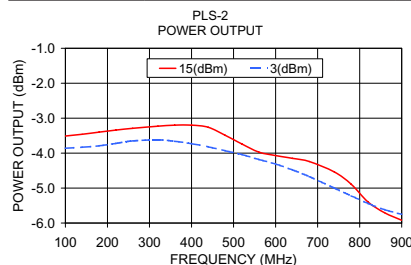
Electrical Specifications

Parameter	Condition	Min.	Typ.	Max.	Units
Frequency Range		100		900	MHz
Input Power		3.0		15	dBm
Output Power*			-5.0		dBm
Control Current			5.0		mA
Limiting Δ Output/1dB Δ Input	Input Power Range (dBm) 3 to 8 8 to 12 12 to 15	Amp 0.20 0.40 0.40	2.0 2.0 2.0		phase, deg/dB

* Typical output level at typical control current, level maybe 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



Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED
IF/RF MICROWAVE COMPONENTS

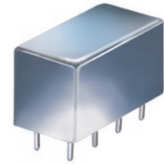
For detailed performance specs
& shopping online see web site

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PLS-2+
PLS-2



CASE STYLE: A01
PRICE: \$27.70 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.