PREMIER DEVICES, INC.
Engineering & Manufacturing

PA0943DG-42H

DROP-IN ISO-ATTENUATOR

Features

- Low Cost and **RoHS** Compliant
- Industry Standard 1 Inch Drop-in package
- Designed for Wireless Telecom Systems
- 50 Ohms Characteristic Impedance

RoHS 2002/95/EG

Description

The PA0943DG-42H is a small low cost drop-in Iso-Attenuator designed for applications in high performance linear power amplifiers for wireless base stations. These Iso-Attenuators feature a robust construction for high reliability with excellent IMD performance. These units are built Lead-Free and RoHS compliant.
CCW rotation and special tab offsets available on request.
S-Parameters are also available on request.

Specifications

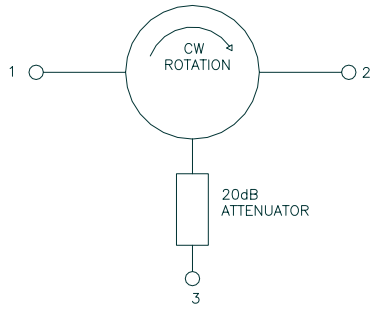
Parameter	Minimum	Typical	Maximum
Frequency Range (MHz)	925		960
Insertion Loss (dB)		<. 18	.30
Isolation (dB)	20	>30	
Return Loss (dB)	20	>30	
Attenuation (dB)	29	20	31
IMD (dBc) 2T x 37.5 Watts	-70	-75	

Note: Typical values represent Mid-band performance @ 25°C.

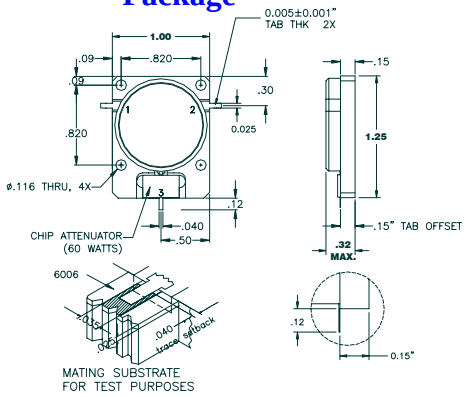
Absolute Maximum Ratings

Parameter	Maximum
Forward Power	100 Watts
Reverse Power	60 Watts
Operating Temperature	-40 to +85 °C
Storage Temperature	-40 to +85 °C

Schematic



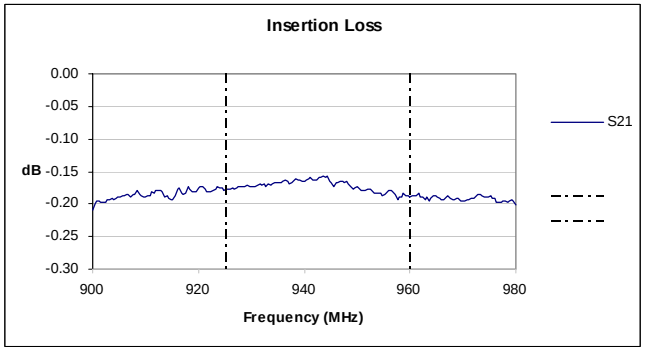
Package



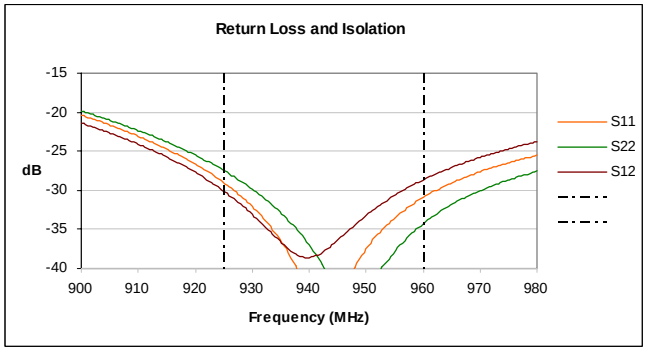
Pin Functions

Function	Pin
INPUT	1
OUTPUT	2
ATTENUATION	3

Typical Test Data – Insertion Loss



Typical Test Data – Return Loss and Isolation



Specifications and information on this data sheet are subject to change without notice.

1860 Hartog Drive, San Jose, California 95131 USA — Tel: 001-408-436-7720 — Fax: 001-408-436-7689 — Email: Sales@premierdevices.com
Leffelholzstr. 20, D-90441, Nurnberg, Germany — Tel: +49(0)911/9411 233 — Fax: +49(0)911/9411 198 — Email: Sales.germany@premierdevices.com
2/1-2F, No.99 Lane 2535 Gudai Rd, Shanghai, China PC 201100 — Tel: (86)21-5416-8648 — Fax: (86)21-5416-8753 — Email: Sales.china@premierdevices.com

Downloaded from Elcodis.com electronic components distributor