PREMIER DEVICES, INC.
Engineering & Manufacturing

PA0903DG-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 PA0903DG-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

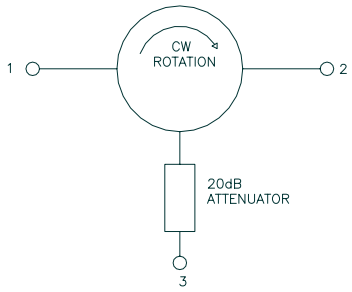
Parameter	Minimum	Typical	Maximum
Frequency Range (MHz)	885		920
Insertion Loss (dB)		<. 12	.30
Isolation (dB)	20	>30	
Return Loss (dB)	20	>30	
Attenuation (dB)	29	20	31
IMD (dBc) 2T x 37.5 Watts	-70	-75	

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

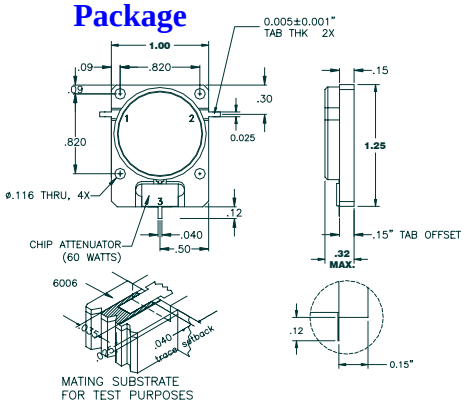
Absolute Maximum Ratings

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

Schematic



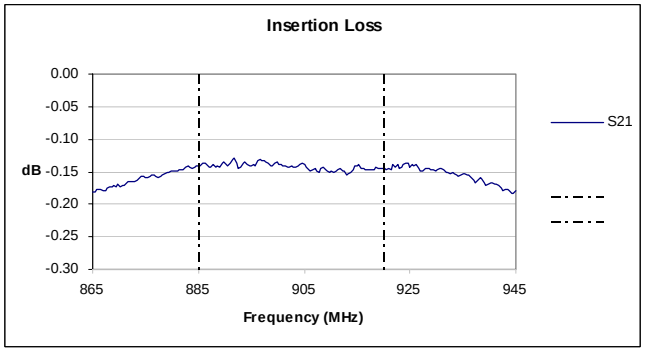
Package



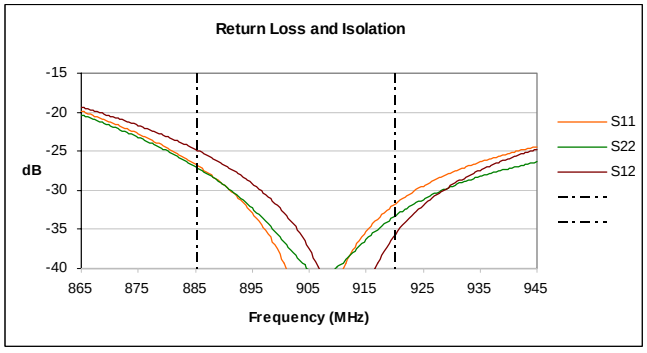
Pin Functions

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.

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