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Data Sheet

August 13, 2026

L-3 / NARDA / MITEQ

L-3 / Narda / Miteq 3752 Coaxial Phase Shifter

Manufacturer: Narda / L-3 Narda / Narda-MITEQ Instrument Type: Precision Coaxial Phase Shifter Alias: 3752; Narda 3752; L-3 3752; MITEQ 3752 Measurement Note: phase must be measured in one rotational direction to maintain accuracy Instrument Type: Precision Coaxial Phase Shifter Alias: 3752; Narda 3752; L-3 3752; MITEQ 3752 Measurement Note: phase must be measured in one rotational direction to maintain accuracy Companion 3753B Frequency: 3.5 to 12.4 GHz



MODEL

**L-3 / Narda / Miteq
3752**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

3752

LISTING

<https://aumictechlabs.com/products/3752-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The L-3/Narda/Miteq 3752 is a precision coaxial phase shifter delivering adjustable phase control across 1 to 5 GHz. This unit has a 180° phase shift range with $\pm 0.5^\circ/\text{GHz}$ accuracy, enabling precise signal timing manipulation and system calibration in demanding RF applications. The 3752 handles 200 W average power and 5 kW peak power while maintaining 0.5 dB maximum insertion loss and 1.25:1 VSWR, making it suitable for integration into high-power transmission lines.

Technical Specifications Frequency Range: 1 to 5 GHz Phase Shift Range: 180° Minimum Phase Shift: 180° at 1 GHz Phase Accuracy: $\pm 0.5^\circ/\text{GHz}$ Insertion Loss: 0.5 dB maximum VSWR: 1.25:1 maximum Average Power Handling: 200 W Peak Power Handling: 5 kW Connector Type: Type N (Female) Weight: 4.5 oz (2.05 kg) Key Features Coaxial construction for direct integration into transmission line systems Low insertion loss and controlled VSWR ensure minimal signal

degradation High power capacity supports both continuous and pulsed RF environments Type N connectors provide industry-standard interface compatibility Compact form factor with dimensional precision for rack and panel mounting Typical Applications RF/microwave test and measurement systems Communication signal processing and conditioning Radar and phased array antenna control Phase synchronization in multi-channel signal paths Compatibility & Integration The 3752 integrates directly into 50-ohm coaxial transmission lines. Type N female connectors enable straightforward connection to standard RF test equipment and subsystems operating in the 1–5 GHz band.

Features & description

From manufacturer datasheet

Features

- 1.0 to 5.0 GHz; 180 deg min at 1 GHz

3752 Characteristics / Specifications

PARAMETER	VALUE
Model	3752
Manufacturer	Narda / L-3 Narda / Narda-MITEQ
Instrument Type	Precision Coaxial Phase Shifter
Series	3752 / 3753B
Alias	3752; Narda 3752; L-3 3752; MITEQ 3752
Frequency Min	1.0 GHz (1000 MHz)
Frequency Max	5.0 GHz (5000 MHz)
Minimum Phase Shift	180 deg at 1 GHz
Average Power	200 W
Peak Power	5 kW
Insertion Loss	0.5 dB max
VSWR	1.25 max
Accuracy	plus/minus 0.5 deg per GHz
Readout	digital dial
Connectors	TypeNfemale
Weight Max	4.5 lb (2.05 kg)
Impedance	50 ohm family coaxial
Measurement Note	phase must be measured in one rotational direction to maintain accuracy
Companion 3753B Frequency	3.5 to 12.4 GHz
Companion 3753B Phase	180 deg at 3.5 GHz
Companion 3753B Loss	0.7 dB max
Companion 3753B VSWR	1.35 (3.5-10 GHz) and 1.4 (10-12.4 GHz)
Outline A	9.03 in (229.36 mm) max class
Outline B	5.53 in (140.46 mm) max class
Outline C	1.12 in (28.45 mm) max class

PARAMETER	VALUE
Outline D	4.13 in (104.90 mm) max class
Outline L	5.13 in (130.30 mm) max class
Mounting Hole M	0.177 in (4.496 mm) dia class
ECCN Listing	EAR99 (Narda-MITEQ model page)
Datasheet	Narda-MITEQ document 119 Phase Shifters
Duty	continuous within 200 W average / 5 kW peak Notes Specs from Narda-MITEQ precision coaxial phase-shifter datasheet 119 (3752: 1-5 GHz, 180 deg at 1 GHz, 200 W / 5 kW, 0.5 dB, VSWR 1.25, plus/minus 0.5 deg/GHz, Type N(F), 4.5 lb). Confirm connectors and dial calibration direction.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	3752
Manufacturer	Narda / L-3 Narda / Narda-MITEQ
Instrument Type	Precision Coaxial Phase Shifter
Specifications	
PARAMETER	VALUE
Series	3752 / 3753B
Alias	3752; Narda 3752; L-3 3752; MITEQ 3752
Frequency Min	1.0 GHz (1000 MHz)
Specifications	
PARAMETER	VALUE
Frequency Max	5.0 GHz (5000 MHz)
Minimum Phase Shift	180 deg at 1 GHz
Average Power	200 W
Specifications	
PARAMETER	VALUE
Peak Power	5 kW
Insertion Loss	0.5 dB max
VSWR	1.25 max
Specifications	
PARAMETER	VALUE
Accuracy	plus/minus 0.5 deg per GHz
Readout	digital dial
Connectors	TypeNfemale

Specifications

PARAMETER	VALUE
Weight Max	4.5 lb (2.05 kg)
Impedance	50 ohm family coaxial
Measurement Note	phase must be measured in one rotational direction to maintain accuracy

Specifications

PARAMETER	VALUE
Companion 3753B Frequency	3.5 to 12.4 GHz
Companion 3753B Phase	180 deg at 3.5 GHz
Companion 3753B Loss	0.7 dB max

Specifications

PARAMETER	VALUE
Companion 3753B VSWR	1.35 (3.5-10 GHz) and 1.4 (10-12.4 GHz)
Outline A	9.03 in (229.36 mm) max class
Outline B	5.53 in (140.46 mm) max class

Specifications

PARAMETER	VALUE
Outline C	1.12 in (28.45 mm) max class
Outline D	4.13 in (104.90 mm) max class
Outline L	5.13 in (130.30 mm) max class

Specifications

PARAMETER	VALUE
Mounting Hole M	0.177 in (4.496 mm) dia class
ECCN Listing	EAR99 (Narda-MITEQ model page)
Datasheet	Narda-MITEQ document 119 Phase Shifters

Duty: continuous within 200 W average / 5 kW peak

Notes

Specs from Narda-MITEQ precision coaxial phase-shifter datasheet 119 (3752: 1-5 GHz, 180 deg at 1 GHz, 200 W / 5 kW, 0.5 dB, VSWR 1.25, plus/minus 0.5 deg/GHz, Type N(F), 4.5 lb). Confirm connectors and dial calibration direction.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.