

Anritsu envision : ensure

3670 Armored Semi-rigid Cables

DC to 145 GHz

3670A50-2
 3670N50-1
 3670N50-2
 3670NN50-1
 3670NN50-2
 DC to 18 GHz

3670K50A-1
 3670K50A-2
 DC to 43.5 GHz

3670V50A-1
 3670V50A-2
 DC to 70 GHz

3670W50-1
 3670W50-2
 DC to 110 GHz

3670.850-1
 3670.850-2
 DC to 145 GHz



Introduction

Anritsu 3670-series semi-rigid test port cables are laboratory quality and available with options up to 145 GHz. These cables can be shaped as needed while maintaining good insertion loss, return loss and phase stability.

Features

- DC to 145 GHz frequency coverage
- W1 connectors™ are compatible with 1.00 mm connectors
- V connectors™ are compatible with 2.4 and 1.85 mm connectors
- K connectors™ are compatible with SMA, 3.5 and 2.92 mm connectors
- Design is robust and well suited for high frequency system and instrumentation applications
- Good return loss and minimal insertion loss

Specifications

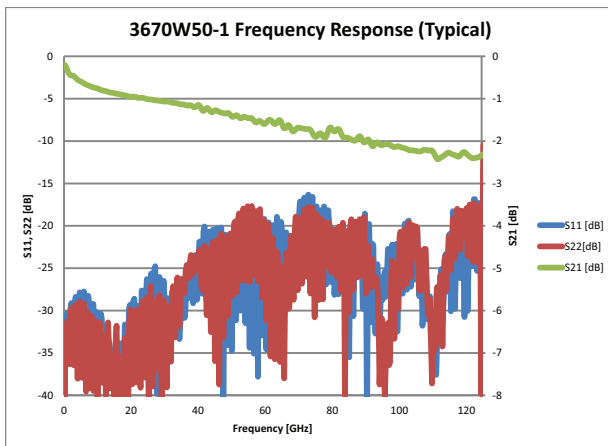
General Specifications

Electrical

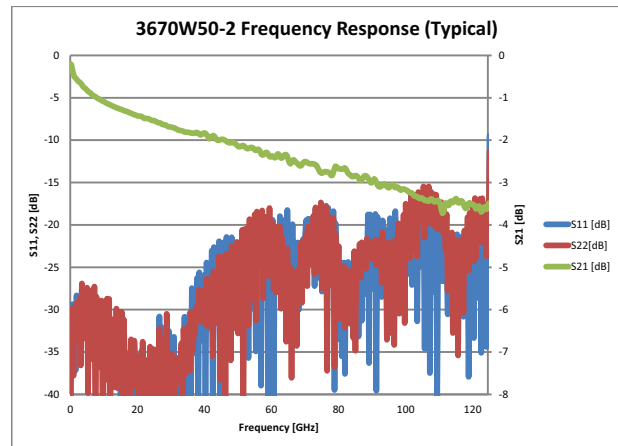
Typical specifications are not tested and are not warranted. They are generally representative of characteristic performance. Warranty: 90 days. All specifications subject to change without notice. For the most current data sheet, please visit the Anritsu web site: www.anritsu.com

Model	Frequency Range (GHz)	RF Connectors	Impedance (Ω)	Return Loss (dB)	Length (cm/ft)
3670A50-2	DC to 18	GPC-7	50	17	60.96/2
3670N50-1	DC to 18	N(m)-N(f)	50	17	30.48/1
3670N50-2					60.96/2
3670NN50-1	DC to 18	N(m)-N(m)	50	17	30.48/1
3670NN50-2					60.96/2
3670K50A-1	DC to 43.5	K(m)-K(f)	50	16	30.48/1
3670K50A-2					60.96/2
3670V50A-1	DC to 70	V(m)-V(f)	50	16	30.78/1
3670V50A-2					60.96/2
3670W50-1	DC to 110	W1(m)-W1(f)	50	18 up to 15 GHz	10.1/0.33
3670W50-2				16 up to 50 GHz 12 up to 110 GHz	16.1/0.52
3670.850-1	DC to 145	0.8(m)-0.8(f)	50	10 ^a	10/0.33
3670.850-2					16/0.52

a. Typical



3670W50-1 Frequency Response (Typical)



3670W50-2 Frequency Response (Typical)

Environmental Tests per MIL-STD-202F

Thermal Shock	-55 °C to +150 °C
Humidity	95% at 40°C, 96 hours, Test 103B, condition B
Shock	100g peak sawtooth, method 213, test condition 1
Vibration	Sinewave: 10 Hz to 2000 Hz, 0.06" DA, method 204, test condition D Random: 50 Hz to 2000 Hz, 11.6 Grams, Power Spectral Density 0.1 Grams 2/Hz, Method 214, Test Condition 1, Letter D
Salt Spray	5% concentration for 48 hours, Method 101D, Condition B
Withstanding Voltage	500 VAC RMS, 60 seconds, method 301

Regulatory Compliance

	RoHS Directive 2011/65/EU
3670W50-1, 3670W50-2	RoHS Directive 2015/863/EU

Ordering Information

3670A50-2	Test Port Cable, Armored, Semi-rigid, GPC-7, 2 ft
3670N50-1	Test Port Cable, Armored, Semi-rigid, N(m)-N(f), 1 ft
3670N50-2	Test Port Cable, Armored, Semi-rigid, N(m)-N(f), 2 ft
3670NN50-1	Test Port Cable, Armored, Semi-rigid, N(m)-N(m), 1 ft
3670NN50-2	Test Port Cable, Armored, Semi-rigid, N(m)-N(m), 2 ft
3670K50A-1	Test Port Cable, Armored, Semi-rigid, K(m)-K(f), 30.48 cm (1 ft), rated to 43.5 GHz
3670K50A-2	Test Port Cable, Armored, Semi-rigid, K(m)-K(f), 61 cm (2 ft), rated to 43.5 GHz
3670V50A-1	Test Port Cable, Armored, Semi-rigid, V(m)-V(f), 30.48 cm (1 ft), rated to 70 GHz
3670V50A-2	Test Port Cable, Armored, Semi-rigid, V(m)-V(f), 61 cm (2 ft), rated to 70 GHz
3670W50-1	Test Port Cable, Armored, Semi-rigid, W1(m)-W1(f), 10 cm
3670W50-2	Test Port Cable, Armored, Semi-rigid, W1(m)-W1(f), 16 cm
3670.850-1	Test Port Cable, Armored, Semi-rigid, 0.8(m)-0.8(f), 10 cm
3670.850-2	Test Port Cable, Armored, Semi-rigid, 0.8(m)-0.8(f), 16 cm

Specifications

Notes

Training at Anritsu

Anritsu has designed courses to help you stay up to date with technologies important to your job. For available training courses, visit: www.anritsu.com/training



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