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LOW PIM Cable Load

RFCL06-4310XX-100 Series

600 - 5850 MHz, 100 Watt, 4.3-10 Mounted Connector Cable Load

Rev 2

ELECTRICAL SPECIFICATION

Pass Band	600-5850 MHz
Return loss	18 dB min
Power handling	100 W CW max
In/out Impedance	50 Ω
PIM Requirement	
IMD in RX band, COM port (2 CW tones +43 dBm each) Performed at 900MHz, 1800MHz and 3500MHz bands	158 dBc typ., 155 dBc min

MECHANICAL SPECIFICATION

RF Connectors	4.3-10 male or female
Cable type	RG402
Weight	2.0 Kg max
Dimensions without connectors and mounting brackets	110*110*70 mm typ.
Outside finish	Black or Aluminum natural color
Product Configuration	Single unit

PACKAGING SPECIFICATION

Applicable standard	NEBS GR-63-CORE
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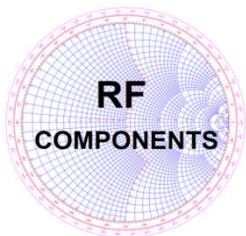
ENVIRONMENTAL SPECIFICATION

Temperature Range	-10 to +60° C
IP Class	IP63 for indoor
EMC / EMI	NEBS GR-1089-CORE and EN 55022
Safety	EN 60950
Corrosion resistance	N/A

Part Numbering RFCL06-4310**FM**-100

FM = 4.3-10 Female Mounted

MM = 4.3-10 Male Mounted



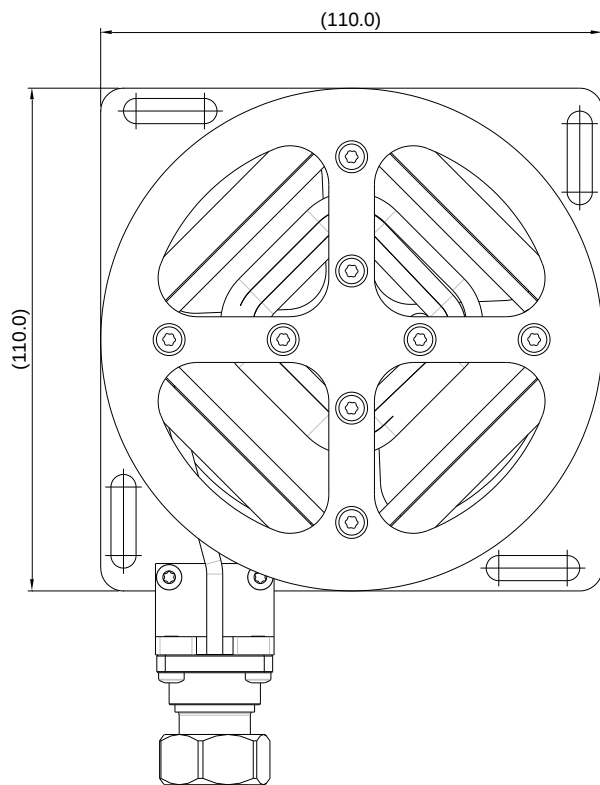
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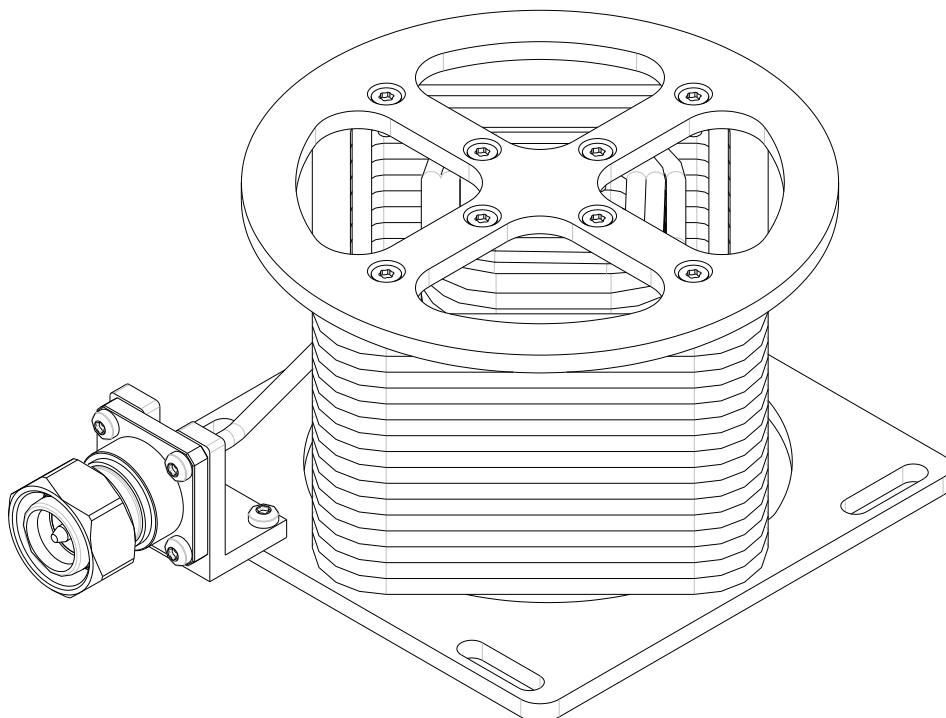
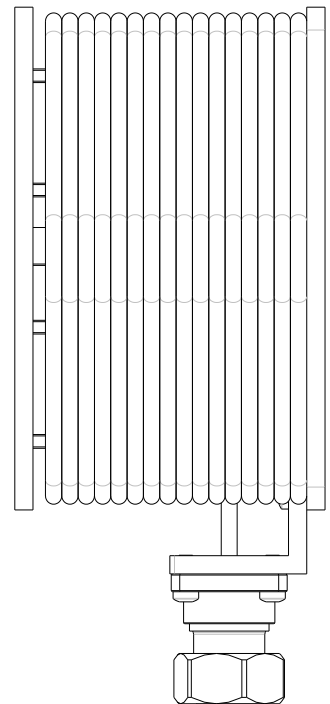
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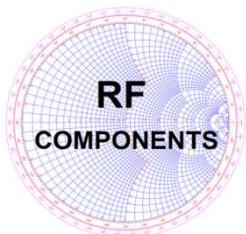
600 - 5850 MHz, 100 Watt, 4.3-10 Mounted Male Connector Cable Load

Rev 2



4.3-10 male connector





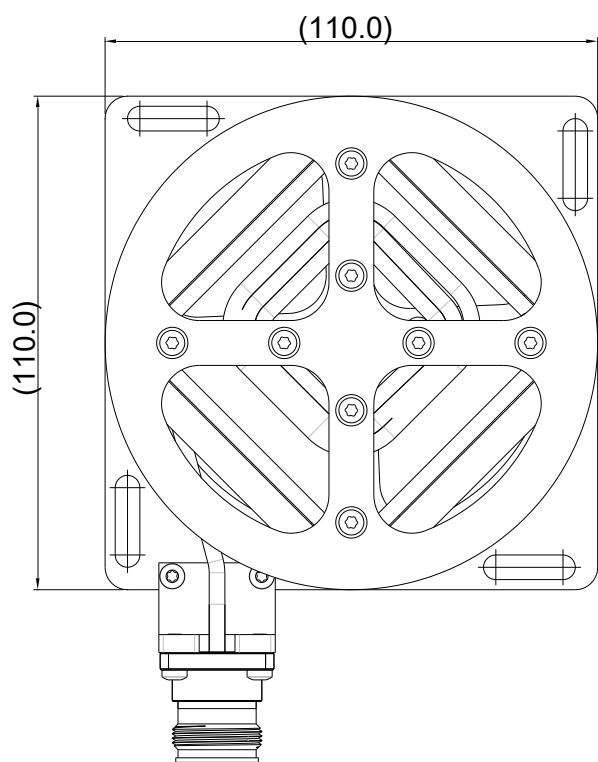
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LOW PIM Cable Load

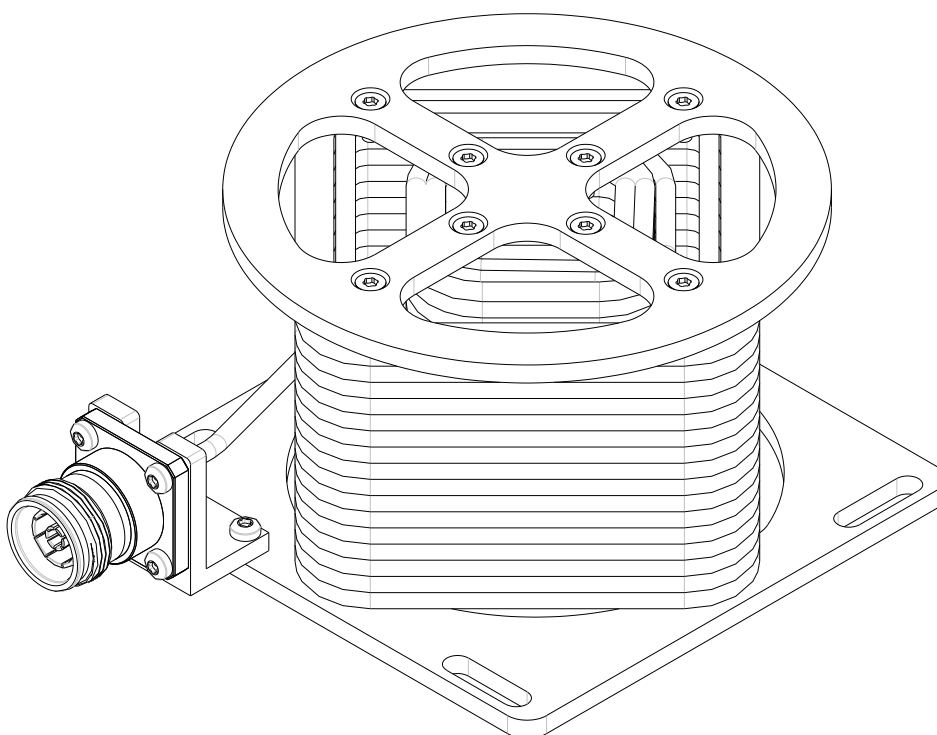
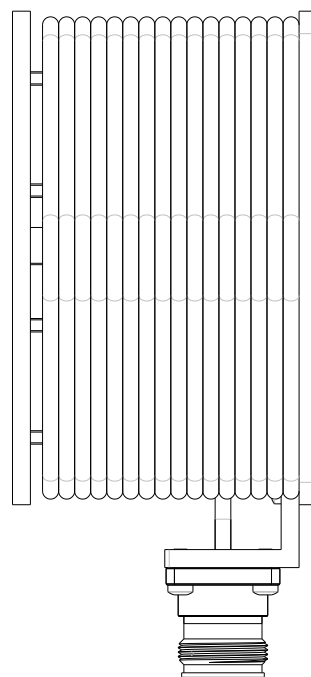
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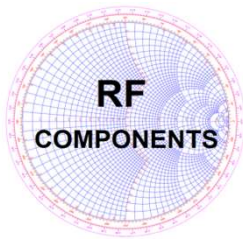
600 - 5850 MHz, 100 Watt, 4.3-10 Mounted Female Connector Cable Load

Rev 2



4.3-10 female connector





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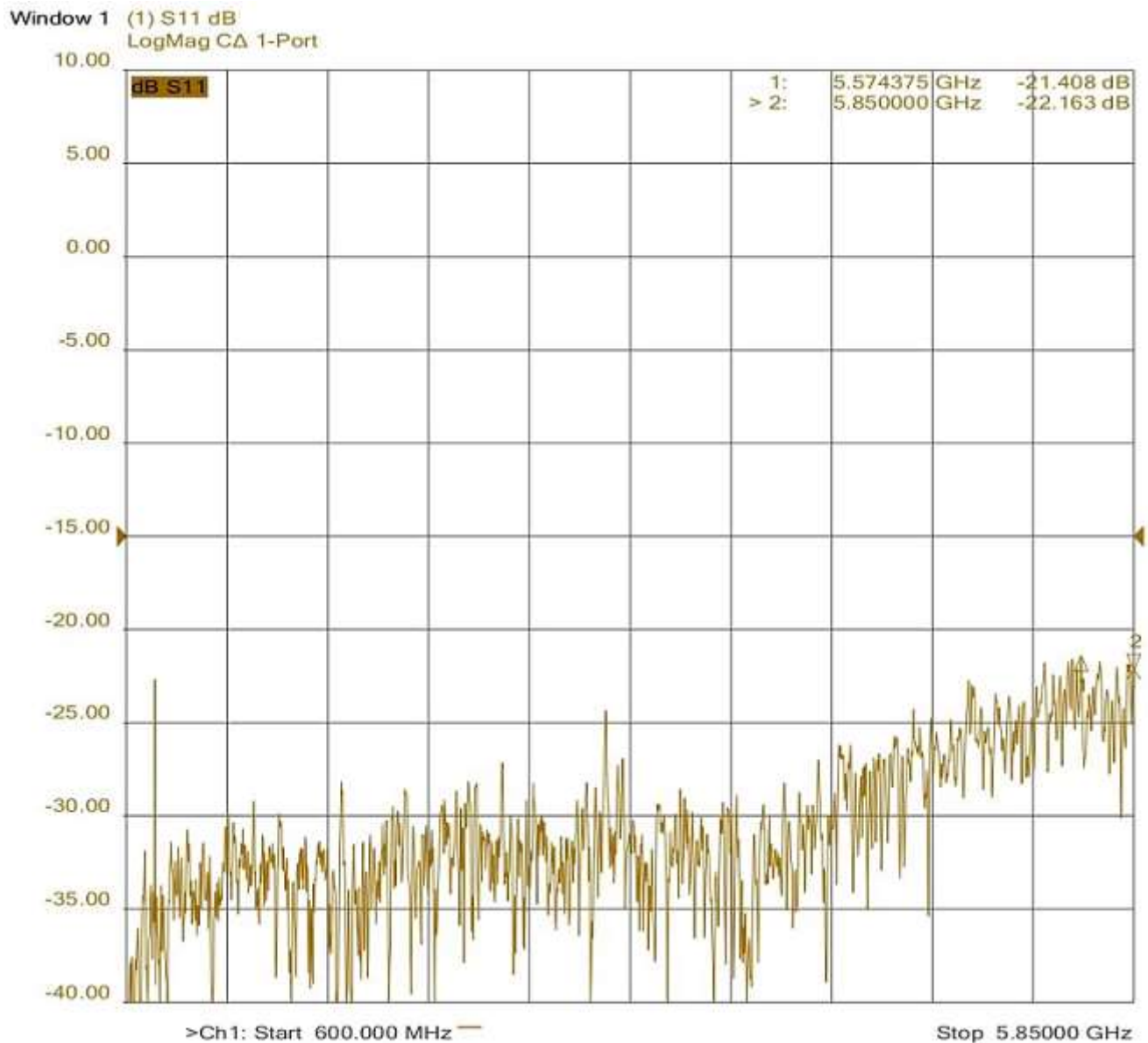
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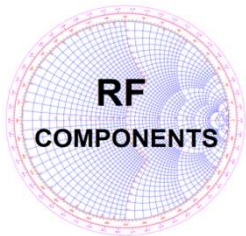
RFCL06-4310XX-100 Series

600 - 5850 MHz, 100Watt, 4.3-10 Mounted Connector Cable Load

Rev 2

RETURN LOSS SPECIFICATION

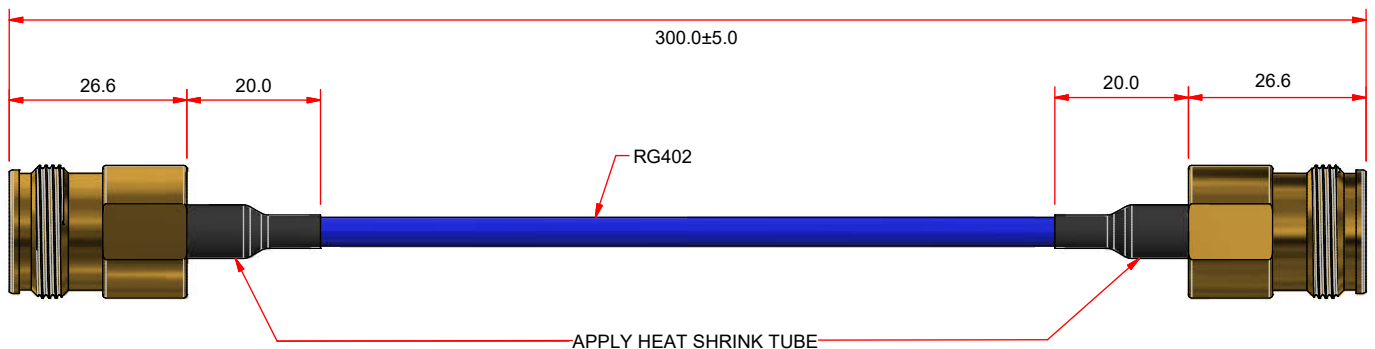
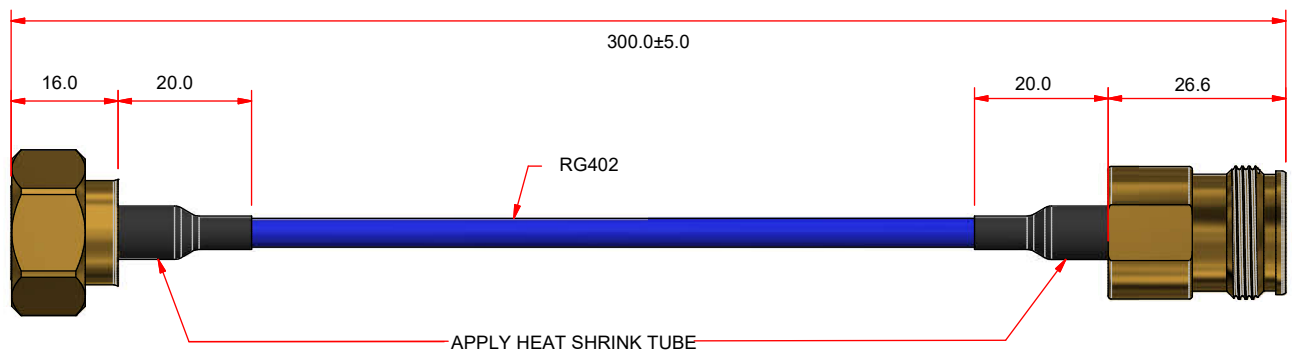
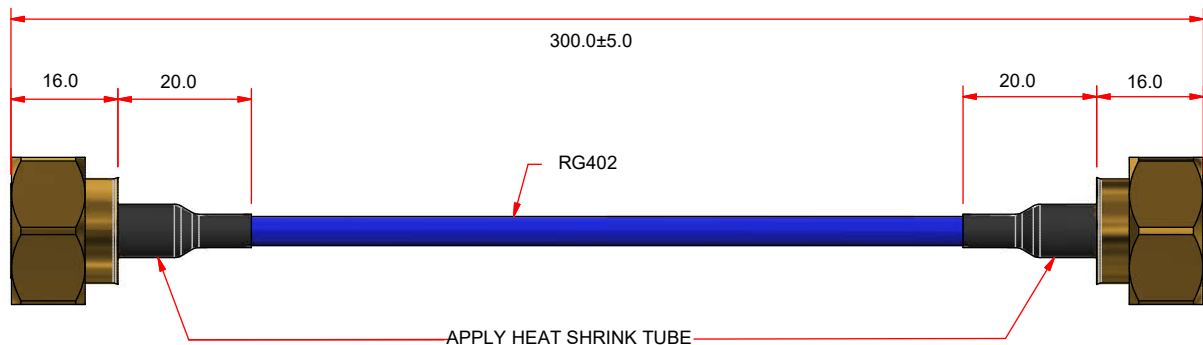




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Cable Load Accessories

RG402 Flexible Jumper Cables



CONNECTOR INTERFACE, IAW IEC 61169-54.

ELECTRICAL CHARACTERISTICS:

- CHARACTERISTIC IMPEDANCE: 50 OHMS NOMINAL
- FREQUENCY RANGE: 0 TO 6 GHz
- VSWR: 1.10 Max @ DC-3GHz
1.30 Max @ 3-6GHz
- IM PERFORMANCE: 158 dBc typ., 155 dBc MIN
2x43dBm (900MHz/1800MHz/3500MHz)
- TEMPERATURE RANGE: -40°C TO +125°C

MATERIAL AND SURFACES:

- MATERIAL:
- BODY: BRASS
- OUTER CONTACT: Spring Copper
- CENTER CONTACT: Spring Copper
- INSULATOR: VIRGIN PTFE PRE
- PLATING:
- BODY: CuSnZn 3um
- OUTER CONTACT: Ag 3um
- CENTER CONTACT: Ag 3um

Part Numbering

RFCA-43M43M-405-XXX

M=Male 4.3-10 F = Female 4.3-10

M=Male 4.3-10 F = Female 4.3-10

XXX= Length Cm Example 009 = 9 Cm, 050 = 50 Cm