



WR15 WR12 WR10 WR08 WR06 WR05 WR03 WR02.2

15MA30
WR15 Mechanical Adjustable Attenuator
50 to 75 GHz

DESCRIPTION

The 15MA30 is a full WR15 waveguide band (50 to 75 GHz) adjustable attenuator. Patented (US7952450B2) technology assures a monotonic attenuation function in its attenuation adjustment across the entire operating frequency range. In addition, RF leakage is mitigated at higher attenuation values.



HIGHLIGHTS

- Patented Technology
- Low Insertion Loss – typical 0.2 dB
- Minimum 30 dB Adjustable Range
- Accurate and Repeatable Settings
- Full continuous waveguide band coverage
- RoHS compliant

APPLICATIONS

- General Purpose Manual Power Adjustment
- Test and Instrumentation
- System & Subsystem

ELECTRICAL AND PERFORMANCE SPECIFICATIONS (+25°C)



Electrical Characteristics ¹	MIN	TYP	MAX
System Operating Frequency (GHz)	50	--	75
Insertion Loss (dB)	--	0.2	0.5
Attenuation Range (dB)	30	--	--
Return Loss (dB)	--	25	21
Power Handling (W)	--	--	0.3
Operating Temperature Range	+20°C	+25°C	+30°C
Storage Temperature Range	0°C	--	+70°C

Module Characteristics ¹	Description
Input Port & Output Interface ²	WR-15
Mechanical Adjustment Length ³	0.25" – 0.3"
Size (L x W x H) ³	1.20" x 0.75" x 2.27" (30.5 mm x 19.1 mm x 57.7 mm)
Weight	≤ 2.5 oz (71 g)

¹ Specifications are typical and subject to change without notice

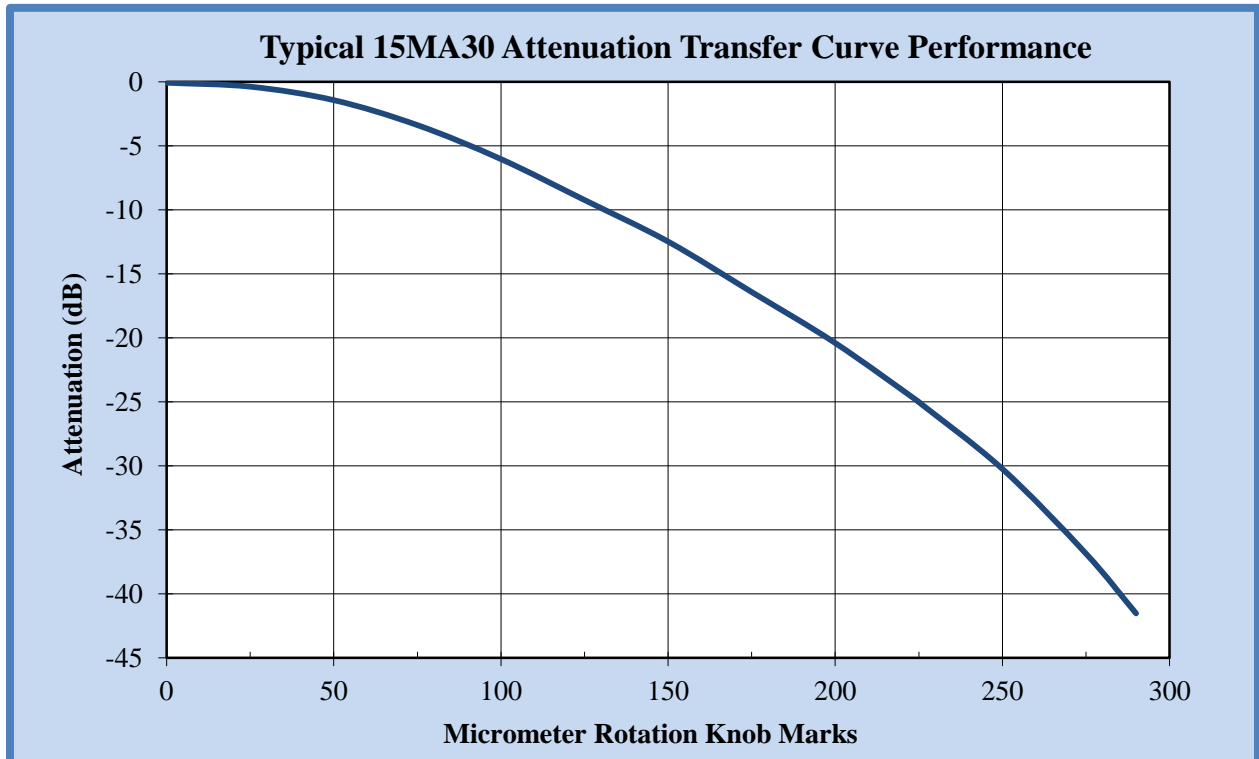
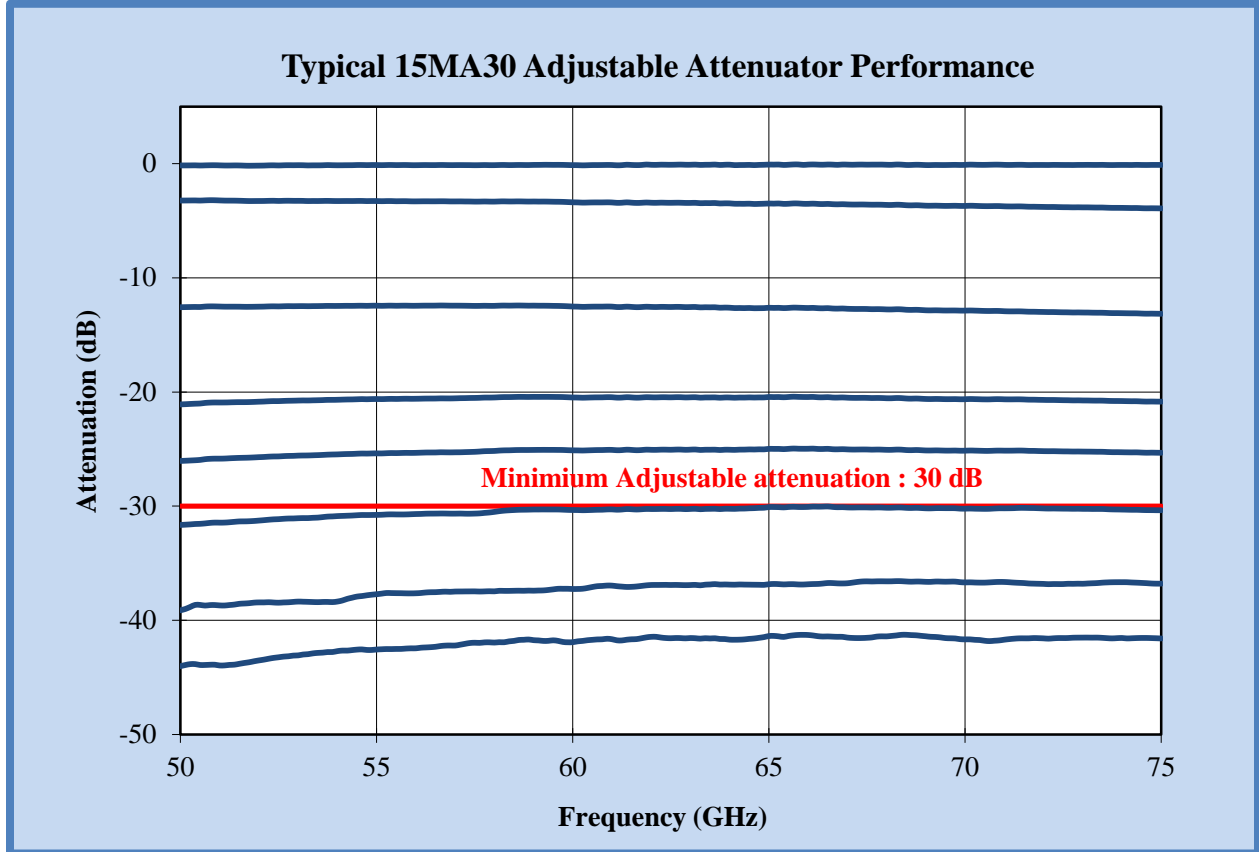
² Test Port Flange Configuration is compatible with MIL-DTL-3922/67E (UG387/UM)

³ Nominal adjustment heights from "0" setting. **DAMAGE** may occur if rotate micrometer setting beyond maximum marking listed in the test datasheet.



TYPICAL PERFORMANCE

The following typical performance is possible with the 15MA30 Series Mechanical Adjustable Attenuator.





ORDER INFORMATION

Model Number	Description
15MA30	WR-15 30 dB Mechanical Adjustable Attenuator Accessories: 8 ex. #4-40 Waveguide Screws
Option EF	

MECHANICAL DIMENSIONS (If necessary, contact OML for more detailed drawings)

