

EQ1 Series Inline Slope Equalizer



Features

- * CE Approved
- * Small and Light Weight
- * SMD, High Stability
- * Wide Band, Up to 1GHz
- * Excellent Return Loss
- * Suitable for CATV/MMDS
- * Waterproof (alternative)



Introduction

The EQ1 is an in-line equalizer that compensates for the uneven broadband frequency response (cable loss) often present in distribution systems.

By inserting the EQ1 at the input of the distribution amplifier, sloping cable loss is compensated and the amplifier input is provided with a flat broadband frequency response.

Use with any 1GHz distribution amplifier to compensate for negatively sloped cable loss.

The frequency range is available for example:

[EQ1-86006W](#) (5-860MHz / slope 6dB / waterproof)

[EQ1-55009W](#) (5-550MHz / slope 9dB / waterproof)

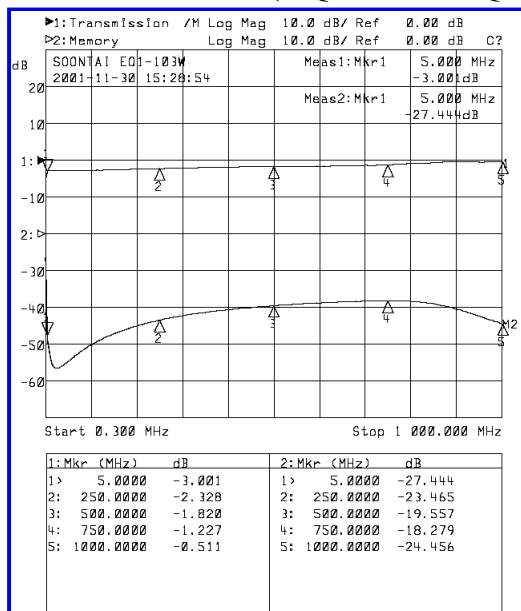
Items

Model	Slope	Frequency Range
EQ1 - 103W	3dB	5 - 1000 MHz
EQ1 - 105W	5dB	5 - 1000 MHz
EQ1 - 106W	6dB	5 - 1000 MHz
EQ1 - 109W	9dB	5 - 1000 MHz
EQ1 - 110W	10dB	5 - 1000 MHz

EQ1 - 112W	12dB	5 - 1000 MHz
EQ1 - 86003W	3dB	5 - 860 MHz
EQ1 - 86005W	5dB	5 - 860 MHz
EQ1 - 86006W	6dB	5 - 860 MHz
EQ1 - 86009W	9dB	5 - 860 MHz
EQ1 - 86010W	10dB	5 - 860 MHz
EQ1 - 86012W	12dB	5 - 860 MHz
EQ1 - 60003W	3dB	5 - 600 MHz
EQ1 - 60005W	5dB	5 - 600 MHz
EQ1 - 60006W	6dB	5 - 600 MHz
EQ1 - 60009W	9dB	5 - 600 MHz
EQ1 - 60012W	12dB	5 - 600 MHz

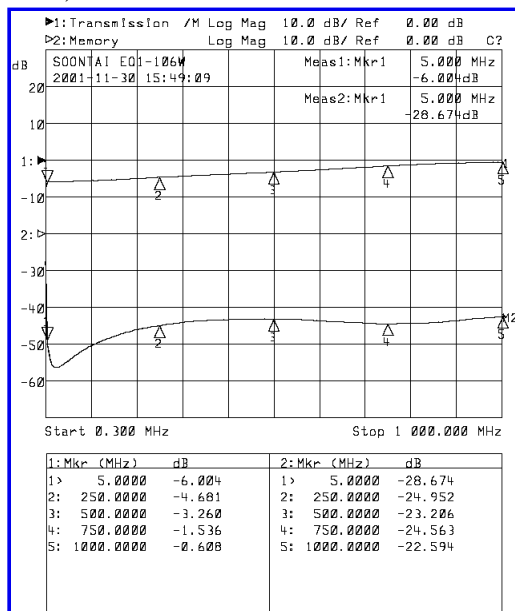
* We can design other models according to your specifications.

Electrical Curve (EQ1-103W / EQ1-106W)



Insertion Loss | Return Loss
SPAN 1000MHz

[Fig 1](#)



Insertion Loss | Return Loss
SPAN 1000MHz

[Fig 2](#)

General Specifications

Item	EQ1 - 106W	EQ1 - 106
Waterproof	YES	NO
Impedance	75 ohm	
Pass Band	5 - 1000MHz	
Slope Loss (5MHz / 1GHz)	6.0dB (typ) / 0.5dB (typ)	
Slope Flatness	+/-0.5dB (max)	
Return Loss	20dB (typ) / 15dB (min)	
Dimensions	13(φ) x 40.5 mm	
Net Weight	18g	

* Specifications are subject to change without notice.

[Table 1]

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SOONTAI TECH CO., LTD.

NO.118, LANE 942, TA WAN RD., YUNG KANG CITY 710, TAIWAN, R.O.C.
TEL: 886-6-2720168 FAX: 886-6-2719511 E-mail:soontai@ms9.hinet.net