LC/APC Attenuators Singlemode

High quality inline wide range attenuators

The LC Connector with a 1,25mm ceramic ferrule and a snap (push-pull) coupling, is the most used SFF (Small Form Factor) connector in today's Telecom and Datacom networks. Novobit is an official licensed LC manufacturer. Mechanical interface complies to IEC 61754-20 and optical interface to IEC 61755-3-2.
ROHS compliant.

Environment Requirements

Novobit LC/APC attenuators meet category E for Extreme environment and may be used between -40 and + 85°C.

IEC 61755-3-2 describes optical performance requirements for grade B, C and D for optical connectors. Novobit produces grade B for our attenuators offering low losses.

IEC 61300-3-34 test results Novobit connectors*:

Grade	50%	97%	Comment
B	0.125	0.25	Available

Return Loss: -55dB open end, -70dB connected
**result with Corning SMF-28 and similar fiber*

Applications:

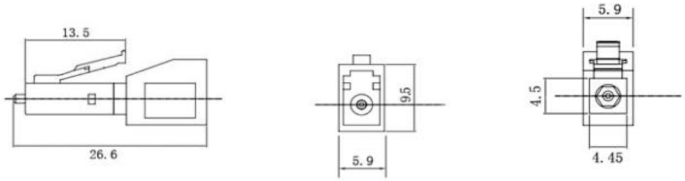
- Fine tuning network
- Reducing power in older fibers when using DWDM networks to increase fiber life time
- Improve SR when needed at fiber end

Specifications:

Operating wavelength	1250 – 1625nm
Attenuation levels	1, 2, 3, 4, 5, 6, 7, 8, 10, 15, 20
Attenuation accuracy	+/-0.5dB (1~2db) +/-0.75dB (3~7db) +/-0.1dB (9~25dB)
Operating temperature	-40~+80°C
Return loss	better -65dB
Housing Material	PEI, green
Sleeve	Ceramic
Ferrule	Ceramic

IEC 61753-3-1 performance standard tests:

IEC 61300-3-42	Adapter performance
IEC 61300-3-34	Attenuation (random mate)
IEC 61300-3-6	Return Loss
IEC 61300-2-1	Vibration
IEC 61300-2-2	Mating durability
IEC 61300-2-6	Strength of coupling mechanism
IEC 61300-2-12	Impact (Method A
IEC 61300-3-10	Allowable gauge retention force
IEC 61300-2-17	Cold
IEC 61300-2-18	Dry heat – High temp. endurance
IEC 61300-2-22	Change of temperature
IEC 61300-2-27	Dust
IEC 61300-2-26	Salt mist
IEC 61300-2-46	Damp heat cyclic
IEC 61300-3-4	Attenuation against ref. conn.
IEC 61755-3-1	End face geometry



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