

1x4 Fused Type Monolithic Single-Mode Coupler

Features

Low Insertion Loss
Low Polarization Dependent Loss
High stability & Reliability

Applications

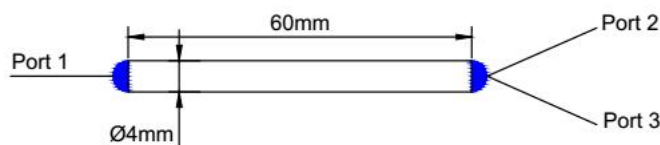
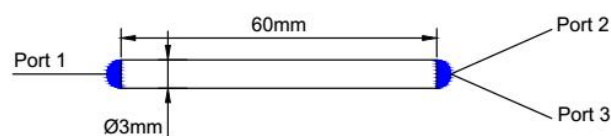
Optical Communication System
CATV
FTTX/PON

Specifications

Parameter	Unit	Value							
Type	/	CP-S		CP-W		CP-D		CP-T	
Operating Wavelength	nm	1310 or 1550		1310 or 1550		1310 / 1550		1310/1490/1550	
Operating Bandwidth	nm	±15		±40		±40		1310±40,1490±10,1550±40	
Grade	/	P	A	P	A	P	A	P	A
Max. Excess Loss	dB	0.15	0.25	0.20	0.30	0.30	0.40	0.30	0.40
Max. Insertion Loss	dB	7.0	7.4	7.1	7.4	7.2	7.5	7.2	7.5
Max. Polarization Dependent Loss	dB	0.20	0.25	0.20	0.25	0.25	0.30	0.25	0.30
Max. Uniformity	dB	1.0	1.4	1.2	1.6	1.4	1.8	1.4	1.8
Min. Directivity	dB	50							
Max. Return Loss	dB	50							
Max. Optical Power(CW)	W	2							
Fiber Type	-	SMF-28E or SMF-28E XB							
Package Dimension	mm	$\phi 3 \times 60$ mm(bare fiber), $\Phi 4 \times 60$ mm(900um loose tube), 90*20*10(0.9mm/2mm/3mm loose tube)							
Operating Temperature	°C	-20~+70							
Storage Temperature	°C	-40~+85							

For device with connector, IL is 0.3dB higher, RL is 5dB lower.

Package Dimensions



Ordering Information

SMFUC-1111-234-555-678-9999

1111	-Wavelength:	1310=1310nm, 1550=1550nm, 1315=1310nm & 1550nm
2	-Port Type:	4=1x4
3	-Type:	S=CP-S, W=CP-W, D=CP-D, T=CP-T
4	-Tap Ratio:	0=Balanced(25%~25%~25%~25%)
555	-Fiber type:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
6	-Package Dimension:	0= $\phi 3.0 \times 60$ mm
7	-Pigtail type:	0=250 bare fiber, 1=900um loose tube, 2=2.0mm loose tube, 3=3.0 loose tube
8	-Fiber length:	0=0.8m, 1=1m
9999	-Connector type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC